
REMEDIAL INVESTIGATION REPORT

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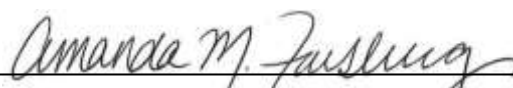
280 WEST 155th STREET DEVELOPMENT New York, New York NYSDEC BCP Site No. C231138

Prepared For:

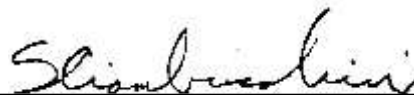
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LANGAN

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CERTIFICATION

I, Steven Ciambuschini, certify that I am currently a Qualified Environmental Professional as defined in 6 New York Codes, Rules, and Regulations Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).



Steven Ciambuschini, P.G.

1.0 INTRODUCTION

On behalf of 280 West 155 Owner, L.L.C. (the Requestor), Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) has prepared this Remedial Investigation (RI) Report for the approximate 39,950-square-foot property located at 280 West 155th Street (Figure 1), in the Harlem neighborhood of Manhattan, New York (hereinafter the "Site"). 280 West 155 Owner, L.L.C is participating in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as a Volunteer as defined in ECL 27-1405 (1)(b) and as identified in the executed Amendment to the Brownfield Cleanup Agreement dated 2 January 2020. The Site is identified in the BCP as Site No. C231138.

The RI was conducted in accordance with the 3 June 2020 Remedial Investigation Work Plan (RIWP) prepared by Langan and approved by the NYSDEC on 12 June 2020. The investigation was completed to further investigate potential on-site sources and extents of soil, groundwater and soil vapor impacts identified in the 19 July 2019 Phase II Environmental Investigation report (Phase II EI) prepared by Langan for the previous property owner, 280 W 155 ST OWNER LLC. Results of these investigations and areas of concern identified in these reports are described in detail in Section 4.0 of this report. Specifically, investigation activities were completed in AOC-1 Petroleum Impacts from Historical Operations, AOC-2 Chlorinated Volatile Organic Compound (VOC) Impacts from Historical Site Operations, and AOC-3 Historical Filling Associated with the Harlem River. As requested in the 24 April 2020 NYSDEC Draft RIWP Comment Letter, further investigation was completed to evaluate potential exposure via soil vapor intrusion at the buildings immediately adjacent to the Site. The Remedial Investigation was conducted in accordance with the process and requirements identified in the NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (May 2010) and the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York, with updates" (October 2006).

2.0 SITE DESCRIPTION

2.1 Physical Setting

The approximately 39,950-square feet site located at 280 West 155th Street in the Harlem neighborhood of Manhattan, New York, is designated as New York City Tax Block 2040, Lot 48. The site was most recently operated as an at-grade asphalt-paved parking lot and was vacated in November 2020.

The Site is bound to the north by West 155th Street and the elevated 155th Street Viaduct associated with the Macomb's Dam Bridge followed by Holcombe Rucker Park; an asphalt-paved parking lot to the east; two single-story commercial/industrial buildings including a Toyota Automotive Repair facility and Ferguson Plumbing Supply store, two four-story mixed-use residential/commercial buildings, and two four- to six-story residential buildings to the south; and by Frederick Douglass Boulevard followed by a two-story mixed-use residential/commercial building to the west. The Site is located within a commercial zoning district (C8-3) and is currently designated for garage/gas station use (G6) by the New York City Department of Finance.

2.2 Site Stratigraphy and Hydrogeology

Based on a 3 November 2020 survey prepared by Langan, existing site grade ranges from about el 11.64 to el 17.5 North American Vertical Datum of 1988 (NAVD88).

Based on observations made during environmental and geotechnical investigations completed by Langan in 2019 and 2020, the subsurface strata at the Site consists of historic fill; generally consisting of fine to coarse sand with varying proportions of silt and gravel and miscellaneous debris, including brick, wood, asphalt, plastic, and metal to depths ranging from 12 to 25 feet below grade. The fill is underlain by a soft upper clay unit, a medium dense silty sand unit, a medium-stiff to stiff lower clay unit, a dense to very dense sand and gravel unit, and weathered / decomposed rock. Findings of the 2020 Remedial Investigation are consistent with these findings. Subsurface profiles are provided in Figures 2A and 2B.

According to the USGS Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and parts of Bergen and Hudson Counties, New Jersey, by Charles A. Baskerville dated 1994, the Site is underlain by Inwood Marble, consisting mainly of white to blueish-gray calcitic and dolomitic marble, and Fordham Gneiss, consisting mainly of black and white layered gneiss. The map indicates the Manhattan Schist formation is also located in close proximity the Site. Based on borings completed during Langan's 2019 and 2020 geotechnical investigation, the top of bedrock was observed to range between approximately 33- to 105-feet below grade. Competent bedrock was not encountered in soil borings installed as part of the 2019 or 2020 environmental investigations.

According to the 1874 Sanitary & Topographical Map of the City and Island of New York by Egbert L. Viele, the Site is located in an area historically inundated by water associated with the Harlem River. As the area is no longer inundated with water the area was subject to historical filling using material of an unknown origin to fill the area and raise grades.

Groundwater was encountered between 8.08 and 10.98 feet below ground surface and at depths corresponding to between el 4.82 and 6.4 NAVD88 during the RI. Based on area topography, observed water level measurements, and the proximity of the Site to the Harlem River, groundwater flow is to the southeast towards the Harlem River. A potentiometric surface map is provided as Figure 3.

Langan reviewed United States Fish and Wildlife National Wetland Inventory (NWI) and New York State Freshwater Wetlands maps. Based on these documents, no mapped wetlands are listed on the subject property, although the Harlem River is approximately 400-feet east of the subject property.

2.3 Surrounding Property Land Use

According to records maintained online by New York City Open Accessible Space Information System (NYCOASIS) and aerial/street-view observations provided by Google Maps, surrounding properties include a commercial/office building, a mixed residential/commercial building, residential buildings, parking lots, and West 155th Street followed by Holcombe Rucker Park. Adjacent properties and

surrounding land use details are presented on Figure 4. The following is a summary of surrounding property use:

| Direction | Adjacent Properties | | | Surrounding Properties |
|-----------|---------------------|---------|---|---|
| | Block No. | Lot No. | Description | |
| North | 2105 | 1 | West 155 th Street followed by Holcombe Rucker Park (2930 8 th Avenue) | Frederick Douglas Boulevard and Harlem River Drive Service Road followed by residential/commercial buildings |
| East | 2040 | 43 | NYCDOT Parking Lot (204 West 155 th Street) | Parking lots and a commercial/office building |
| South | 2040 | 5 | True Colors Residence (269 West 154th Street) | A commercial/ office building, mixed residential/ commercial buildings, and West 154th Street followed by residential buildings and a public facility / institution |
| | | 6 | True Colors Residence (267 West 154th Street) | |
| | | 7 | Commercial/office building (251 West 154th Street) | |
| | | 21 | Parking Lot (235 West 154th Street) | |
| West | 2040 | 63 | Residential building (2922 Frederick Douglass Boulevard) | Frederick Douglas Boulevard followed by mixed residential/ commercial building, residential buildings, a transportation / utility building, and a public facility / institution |
| | | 64 | Residential building (2920 Frederick Douglass Boulevard) | |
| | 2047 | 36 | Frederick Douglas Boulevard followed by a mixed residential/commercial building (2923 Frederick Douglass Boulevard) | |

Public infrastructure (storm drains, sewers, and underground utility lines) exists within the street to the north and west of the Site. Sensitive receptors (as defined in DER-10) located within a half mile of the Site include:

| Number | Name (Approximate distance from site) | Address |
|---------------|--|---|
| 1 | Episcopal Social Services (approximately 750 feet north of the Site) | 2967 Frederick Douglas Blvd New York, NY 10039 |
| 2 | Prince Hall Service Fund, Inc. (approximately 1,500 feet north of the Site) | 159-30 Harlem River Drive New York, NY 10039 |
| 3 | Lutheran Social Services of Metropolitan New York (approximately 2,000 feet south of the Site) | 218 West 147th Street New York, NY 10039 |
| 4 | Mary Walton Children's Center (approximately 750 feet south of the Site) | 224 West 152nd Street New York, NY 10039 |
| 5 | Moreau LMSW Children & Family Services P.C. (approximately 1,800 feet southwest of the Site) | 764 St. Nicholas Ave New York, NY 10031 |
| 6 | Resurrection School (approximately 1,000 feet southwest of the Site) | 282 West 151 st Street New York, NY 10039 |
| 7 | United Federation of Black Community Organization, Inc. (approximately 1,800 feet northwest of the Site) | 474 West 159th Street New York, NY 10032 |
| 8 | Public School 046 Arthur Tappan (approximately 1,000 feet north of the Site) | 2987 Frederick Douglass Blvd New York, NY 10039 |
| 9 | Public School 200 James M. Smith/ Frederick Douglas Secondary School (approximately 1,500 feet south of the Site) | 2589 7 th Avenue New York, NY 10039 |
| 10 | Public School 028 Wright Brothers (approximately 1,700 feet northwest of the Site) | 475 West 155 th Street New York, NY 10032 |

2.4 Historical Site Usage

Based on Langan's review of previous environmental assessments and investigation reports prepared for the Site (listed in the subsequent section), and review of available records maintained online by the New York City Department of Buildings (NYCDOB), historical use and features of the subject property include a steam laundry building with an associated boiler room and an automotive repair facility. It is unclear if active dry cleaning operations occurred on Site. The adjacent property to the south historically operated as an automotive repair facility and the associated certificate of occupancy identified a portion of the subject Site (former Lot 48) as part of an approved gasoline storage and automotive repair parcel.

The 1874 Sanitary & Topographical Map of the City and Island of New York by Egbert L. Viele, identify the Site within the historical extents of the Harlem River and consisting of created land, indicating that the area was subject to historical filling using material of an unknown origin to raise grades.

The primary contaminants of concern identified during the previous environmental investigations are free-phase petroleum (light non-aqueous phase liquid [LNAPL]) in soil and groundwater within the eastern portion of the site, and semi-volatile organic compounds (SVOCs) and metals commonly associated with petroleum impacts and historic fill, detected in soil at concentrations exceeding the Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (6 NYCRR) NYSDEC Part 375 Commercial Restricted Use Soil Cleanup Objectives (RUSCOs), and in groundwater at concentrations exceeding the 6 NYCRR Part 703.5 Class GA Groundwater Quality Standards and Division of Water Technical and Operational Guidance Series 1.1.1 (collectively referred to as SGVs). Additionally, petroleum-related VOCs and chlorinated VOCs (CVOCs) were detected in soil vapor.

3.0 PROPOSED REDEVELOPMENT PLAN

The Site is proposed to be developed with a 3-story commercial self-storage building with a cellar level. The cellar and first floor will occupy approximately 31,930-square-feet and approximately 25,795-square-feet, respectively, of the approximate 39,950-square-foot property. The northwestern portion of the site will be used as a paved driveway / parking area with the proposed building constructed overhead. Excavation for the construction of the cellar slab is anticipated to be completed to el 6.5 feet NAVD88.

4.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Previous environmental correspondence, environmental site assessment reports, and environmental investigation reports were provided for review prior to field investigation activities. Environmental correspondence, assessments, and investigation reports provided for review are listed below.

- *Phase I Environmental Study*, prepared by Singer Environmental Group, Ltd. (Singer), dated August 1998
- *Phase I Environmental Site Assessment*, prepared by P.W. Grosser Consulting, Inc. (P.W. Grosser), dated December 2018
- *Environmental Soil Pre-Characterization Investigation*, prepared by Langan, dated 2 July 2019
- *Phase II Environmental Investigation Report*, prepared by Langan, dated 19 July 2019
- *Remedial Investigation Work Plan*, prepared by Langan, dated 3 June 2020
- *Phase I Environmental Site Assessment*, prepared by Langan, dated 13 August 2020
- *Draft Interim Remedial Measures Work Plan*, prepared by Langan, dated 7 December 2020

Previous reports are provided in Appendix C of Langan's 3 June 202 RIWP. Validated soil, groundwater, and soil vapor analytical results of Langan's 2019 Phase II EI are summarized in Tables 2 through 4 and on Figures 6 through 8 of this report. Data Usability Summary Reports (DUSRs) for these analytical results were provided as Attachment G of Langan's 2019 Phase II EI Report.

4.1 Phase I Environmental Study – Singer Environmental Group Ltd. (1998)

Singer Environmental Group, Ltd. (Singer) conducted a Phase I Environmental Study investigation dated 18 August 1998 for former Lots 61 and 62 identified as 2924 & 2926 Frederick Douglass Boulevard in New York, New York. The Phase I did not include former Lot 48. At the time of the investigation, the site was operated as a parking lot. Based on Singer's assessment there was no evidence of heavy manufacturing, use and/or storage of chemicals or fuel supplies on the subject property or at adjacent properties. No recognized environmental concerns

(RECs), historic recognized environmental concerns (HRECs), or business environmental risks (BERs) were identified on the property.

4.2 Phase I Environmental Site Assessment - P.W. Grosser Consulting, Inc. (2018)

P.W. Grosser Consulting, Inc. (P.W. Grosser) conducted a Phase I Environmental Site Assessment (ESA) dated December 2018 for former Lots 48, 61, and 62 identified as 2926 Frederick Douglas Boulevard, 225 West 155th Street, and 204 West 155th Street in New York, New York.

P.W. Grosser's Phase I ESA identified the following RECs:

- Historical site use as a steam laundry facility from approximately 1930 to 1980;
- Subject property identified as a Brownfield property;
- Historical use as automotive repair at adjacent properties;
- An active spill at 250 Bradhurst Avenue, located 0.7 miles upgradient of the Site; and
- Two active leaking tanks cases at the Jackie Robinson Rec Center, located upgradient of the Site.

4.3 Environmental Soil Pre-Characterization Investigation – Langan (2019)

Langan conducted a waste characterization investigation in March 2019 for Lot 48 (former Lots 48, 61, and 62). Results of the investigation were summarized in the 3 July 2019 Environmental Soil Pre-Characterization Results Letter which was submitted to NYSDEC in Attachment C of the BCP Application.

Evidence of petroleum impacts including the presence of product and/or sheen and odor were encountered in soil at 5 of 22 soil boring locations at depths ranging from 6 to 12 feet bgs. These impacts were observed in the eastern portion of the site, which was historically approved for automotive repair and fuel storage, and in the vicinity of the boiler room associated with the former steam laundry facility.

Laboratory analytical results are summarized in Table 1 of the 19 July 2019 Phase II Environmental Investigation Report (discussed below) and revealed elevated concentrations of SVOCs exceeding the NYSDEC Industrial RUSCOs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Exceedances of the Commercial RUSCOs were also detected for the SVOCs benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Exceedances of the Restricted Use SCOs for metals include mercury which was detected at a concentration exceeding the Industrial RUSCO, and barium which was detected at concentrations exceeding the Commercial RUSCOs.

4.4 Phase II Environmental Investigation – Langan (2019)

Langan conducted a Phase II EI in 2019 for Lot 48 (former Lots 48, 61, and 62). Results of the investigation were summarized in the 19 July 2019 Phase II Environmental Investigation Report which was submitted to NYSDEC in Attachment C of the BCP Application. The investigation included installation of 13 soil borings, five groundwater monitoring wells, and four soil vapor sampling points, and collection of soil, groundwater, and soil vapor samples to assess potential subsurface impacts associated with historical use of the site as a laundry facility, potential automotive repair and gasoline station operations, and the presence of historic fill due to proximity to historical waterways. Validated analytical results of this investigation are summarized in Tables 2 through 4 and on Figures 6 through 8.

Evidence of petroleum impacts were encountered in soil at 4 of 13 soil boring locations as evidenced by the presence of sheen, odor, LNAPL and elevated photoionization detector (PID) readings. These impacts were observed in the central-eastern portion of the Site within the footprint of former Lot 48, which was historically approved for automotive repair and associated fuel storage, and in the vicinity of the boiler room associated with the former steam laundry facility.

Analytical results of soil samples collected during the 2019 Phase II EI are summarized in Table 2 and on Figure 6 and were compared to the 6 NYCRR NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and RUSCOs. Soil analytical results were also compared to NYSDEC Commissioner's Policy 51 (CP-51) Supplemental SCOs. Analytes detected above Commercial RUSCOs are listed below.

Groundwater sample results are summarized in Table 3 and on Figure 7 and were compared to NYSDEC SGVs; analytes detected above the regulatory criteria are also summarized below.

Soil vapor sample results are summarized in Table 4 and on Figure 8 and were evaluated using the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State Soil Vapor/Indoor Air Decision Matrices dated October 2006 and updated May 2017; results are summarized below.

Soil:

Light Non-Aqueous Phase Liquid (LNAPL) was detected in four soil borings between 5 and 11.5 feet and within approximately 2 feet of the observed groundwater interface. Field screening was completed with a photoionization detector (PID) for total VOCs. Concentrations above background were observed in the four soil borings where LNAPL was observed at concentrations between 0.2 parts-per-million (ppm) and 50.5 ppm.

Five SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene were detected at concentrations above the Commercial RUSCOs at six of the twelve soil boring locations. Metals arsenic and mercury were detected in soil samples at concentrations above the Commercial RUSCOs at two of the twelve soil boring locations.

Groundwater:

LNAPL was detected at one groundwater monitoring well. A groundwater sample was not collected from this location. Due to the viscosity of the product, a thickness measurement could not be obtained. Sheen was observed during purging and/or sampling in two of the four groundwater monitoring wells sampled. PID readings at the monitoring well head were detected between 0.0 ppm and 1.5 ppm.

The VOC tert-butyl methyl ether was detected in one groundwater monitoring well at a concentration exceeding the SGVs.

Up to six SVOCs were detected in the four groundwater monitoring wells at concentrations exceeding the SGVs including benzo(a)anthracene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene at all four groundwater monitoring wells, and benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene at one

groundwater monitoring well. The metal lead was detected in one groundwater well at a concentration exceeding the SGVs.

Soil Vapor:

Soil vapor results identified concentrations of petroleum-related VOCs including benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX) at cumulative concentrations that ranged from 39.446 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) to 92.558 $\mu\text{g}/\text{m}^3$. Benzene was detected in three of the four soil vapor samples, and toluene, ethylbenzene, and xylenes were detected in all four soil vapor samples. Petroleum-related VOCs including 1,2,4-trimethylbenzene (13.6 $\mu\text{g}/\text{m}^3$ – 17.9 $\mu\text{g}/\text{m}^3$) and 1,3,5-trimethylbenzene (3.5 $\mu\text{g}/\text{m}^3$ – 3.75 $\mu\text{g}/\text{m}^3$) were also detected.

The CVOCs tetrachloroethene (PCE) and 1-1-1-trichloroethane, which are included in the NYSDOH Final Guidance for Evaluation of Soil Vapor Intrusion Matrix B, were detected in soil vapor samples collected at the site. PCE was detected in all four soil vapor samples collected and 1-1-1-trichloroethane was detected in one soil vapor sample collected. PCE (189 $\mu\text{g}/\text{m}^3$ - 345 $\mu\text{g}/\text{m}^3$) was detected at concentrations above the recommended threshold for monitoring and/or mitigation identified in the NYSDOH Soil Vapor Intrusion Matrix B; 1-1-1-trichloroethane was not detected at concentrations above this threshold.

Ambient atmospheric pressure ranged from 29.85 to 29.87 in Hg during the sampling timeframe.

LNAPL:

Two petroleum identification (fingerprint) samples were collected and submitted for analysis. The product was determined to be a combination of material similar to Diesel Fuel/Fuel Oil #2 and material which is similar to a hydraulic, lubricating, motor, or waste oil type product.

Based on the observations of LNAPL during the Phase II Environmental Investigation, NYSDEC was notified of a release and Spill No. 1902392 was assigned on 6 June 2019.

Conclusions and Recommendations

Based on the results of the investigation, three Areas of Concern (AOCs) related to historical site operations, discussed in detail in Section 5.0, were identified:

petroleum impacts from historical site operations, CVOC impacts from historical site operations, and historical filling associated with the Harlem River.

4.5 June 2020 Remedial Investigation Work Plan – Langan (2020)

A Remedial Investigation Work Plan dated 3 June 2020 was prepared by Langan for 280 W 155 ST OWNER LLC. The RIWP was prepared to investigate and characterize “the nature and extent of the contamination at and/or emanating from the brownfield site” per ECL Article 27-1415(2) (Brownfield Cleanup Program) including the horizontal delineation of NAPL within the southeastern portion of the Site as previously documented in Langan’s 19 July 2019 Phase II EI Report and to evaluate potential exposure via soil vapor intrusion at the buildings immediately adjacent to the site as required by the 24 April 2020 NYSDEC Draft RIWP Comment Letter for the Draft RIWP submitted to the NYSDEC on 19 March 2020.

The scope of work for the RI presented in the RIWP consisted of:

- A geophysical survey throughout the Site;
- Advancement of 18 soil borings (LSB-36 through LSB-50 and LSB-52 through LSB-54) and collection of 38 soil samples (including two duplicate samples);
- Installation of four permanent monitoring wells (LMW-6 through LMW-9) and collection of 10 groundwater samples (including one duplicate sample) from LMW-1 through LMW-9;
- Survey and gauging of monitoring wells to evaluate groundwater elevation and flow directions; and,
- Installation of 14 soil vapor points (LSV-5 through LSV-18) and collection of 15 soil vapor samples (including one duplicate sample) and two ambient air samples.

4.6 Phase I ESA - Langan (2020)

Langan prepared a Phase I Environmental Site Assessment (ESA) dated 13 August 2020 for the subject property on behalf of CSP Self Storage II, LLC.

The Phase I ESA identified the following RECs and BERs:

- Open Spill No. 1902392 in the area of the historical automotive repair and associated fuel storage and in the vicinity of the boiler room associated with the former steam laundry facility was identified as a REC;
- CVOC impacts in soil vapor associated with historical site use as a steam laundry facility and for automotive repair was identified as a REC;
- Historical fill material associated with the filling of the former extents of the Harlem River on the Site was identified as a REC; and,
- The potential presence of undocumented underground storage tanks (USTs) based on historical Site operations for commercial purposes and historical approval for fuel oil use was identified as a BER.

4.7 Draft Interim Remedial Measures Work Plan (2020)

A Draft Interim Remedial Measures (IRM) Work Plan dated 7 December 2020 was prepared by Langan for 280 W 155 St Owner LLC. The IRM Work Plan describes the procedures for decommissioning monitoring wells, excavation and disposal of historic fill material impacted with VOCs, SVOCs, pesticides, polychlorinated biphenyls (PCBs), and metals to between 3 and 5 feet bgs, installation of SOE along the perimeter of the site, and drilling of piles as part of the initial foundation construction. Implementation of the IRM will support the execution of the future remedy through the excavation and removal of shallow hotspots containing elevated concentrations of lead and initiation of SOE installation. SOE installation is necessary for future excavation and removal of deep hotspots, which are impacted up to 15 feet bgs with elevated concentrations of metals and polycyclic aromatic hydrocarbons (PAHs). SOE installation also is necessary for the future excavation and removal of petroleum impacts for the remediation of Spill No. 1902392 up to 15 feet bgs.

The IRM activities will include continuous screening of soil/fill disturbed during the removal of the building slab and foundation elements and work zone and perimeter air monitoring for dust, vapor, and nuisance odors.

It is not anticipated that petroleum impacted soil will be encountered or disturbed during implementation of the IRM Work Plan; however, contingencies were provided to address unforeseen contamination that may be discovered during the soil disturbance activities, including removal of grossly and/or petroleum-impacted soil hotspots and closure of any underground storage tanks (USTs) encountered during soil disturbance activities, in advance of implementation of a Remedial Action Work Plan (RAWP) for the remediation of the Site. Post-excavation end-point soil samples will be collected following removal of any identified impacted soil or impacted subgrade structures such as USTs. The IRM Work Plan scope is scheduled to be implemented in May 2021.

5.0 SUMMARY OF AREAS OF CONCERN

Based on the results of the Phase II EI, three Areas of Concern (AOCs) related to historical site operations were identified and are described in detail below. AOC locations are provided on Figure 5.

5.1 AOC-1: Petroleum Impacts from Historical Site Operations

Historical records indicate the adjacent property to the south was operated as an automotive repair garage and that these operations potentially included gasoline storage and automotive repair in the central-eastern portion of the Site. Additionally, historical records identified that a steam laundry building with a large boiler room operated on the easternmost portion of the site and that fuel oil use was historically approved for the entire site.

Environmental investigation results of this AOC identified physical evidence of contamination including elevated PID readings, odors, and observations of LNAPL in soil at LSB-24, LSB-27, LSB-28, and LSB-32 at depths between 5 and 11.5 feet bgs and on groundwater at LMW-5. Sheen and LNAPL observations are provided in Figure 11. Laboratory analysis of the LNAPL determined the sample to be a combination of material similar to Diesel Fuel/Fuel Oil #2 and material which is similar to a hydraulic, lubricating, motor, or waste oil type product. Laboratory analytical results from soil samples also identified SVOCs including PAHs above the NYSDEC SCOs, indicative of petroleum impacts and the presence of historic fill. PAHs detected in soil were also detected in groundwater above the NYSDEC SGVs. Based on the observations of LNAPL during the investigation,

NYSDEC was notified of a release and Spill No. 1902392 was assigned on 6 June 2019.

Soil vapor results from within this area identified elevated concentrations of petroleum-related VOCs (BTEX). Petroleum-related VOCs including 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were also detected.

5.2 AOC-2: Chlorinated VOC Impacts from Historical Site Operations

Historic operations included a laundry facility and automotive repair shop. In order to assess the potential for these historical operations to have adversely impacted environmental conditions at the Site, soil vapor sampling was completed and the laboratory analytical results identified that PCE was detected in all soil vapor samples collected at concentrations above the monitoring and/or mitigation threshold according to NYSDOH Soil Vapor Intrusion Matrix B.

5.3 AOC-3: Historical Filling Associated with the Harlem River

According to the 1874 Sanitary & Topographical Map of the City and Island of New York by Egbert L. Viele, the site is located within the historical extents of the Harlem River and consists of created land, indicating that the area was subject to historical filling using material of an unknown origin to raise grades. Soil borings and monitoring wells were advanced throughout the entirety of the site to assess for the potential subsurface impacts from historical filling.

PAHs commonly associated with historic fill were detected at concentrations exceeding the Commercial RUSCOs.

Based on the results of soil, groundwater, and soil vapor sampling completed during the 2019 Phase II EI, petroleum impacts in soil, groundwater, and soil vapor and chlorinated VOC impacts in soil vapor are present in the subsurface which may be the result of historical site operations as an automotive repair facility, gasoline station, and a laundry facility. PAH and metal impacts in soil and groundwater are also likely the result of historical filling of the site using material of an unknown origin to raise grades.

6.0 REMEDIAL INVESTIGATION

The RI was completed to further investigate potential on-site sources and extents of impacts identified in the 19 July 2019 Phase II Environmental Investigation Report and address the requirements for additional investigation and reporting provided in the 24 April 2020 NYSDEC letter. These requirements were subsequently addressed in the RIWP dated 3 June 2020 prepared by Langan and approved by the NYSDEC on 12 June 2020.

The objectives of the RI included:

- Supplementing the investigation activities and results provided in the 2019 Phase II EI;
- Delineating NAPL within the central-eastern portion of the site as identified in the 2019 Phase II EI;
- Confirming the assumed groundwater flow direction;
- Characterizing the nature and vertical and lateral extents of the impacts in soil and groundwater;
- Evaluating contaminants in soil as a potential source of groundwater impacts;
- Based on the groundwater flow direction and groundwater analytical results, determining if groundwater impacts are confined within the Site boundaries or have the potential to migrate off-Site; and
- Completing a Site-wide assessment of soil vapor, including a perimeter investigation to evaluate potential exposure via soil vapor intrusion at the buildings immediately adjacent to the site

The scope of work for the RI consisted of:

- A site-wide geophysical survey, including clearance in the vicinity of soil boring locations, AOCs, and former site features to investigate the location of subsurface structures and utilities;
- Advancement of 18 soil borings (LSB-36 through LSB-50 and LSB-52 through LSB-54) and collection of 32 soil samples (including two duplicate samples);
- Installation of 4 permanent monitoring wells (LMW-6 through LMW-9) and collection of 19 groundwater samples (including three duplicate samples);

- Survey and gauging of monitoring wells to evaluate groundwater elevation and flow direction; and
- Installation of 14 soil vapor sampling points (LSV-5 through LSV-18) and collection of 15 soil vapor samples (including one duplicate sample) and two ambient air samples.

The results of the geophysical survey are discussed in Section 6.1. Soil, groundwater, and soil vapor sampling procedures are discussed in Sections 6.2, 6.3, and 6.4, respectively. Quality assurance procedures implemented during this investigation and data validation (Data Usability Summary Reports [DUSRs]) that were completed are discussed in Section 6.5 and results of soil, groundwater, and soil vapor sampling are discussed in Section 6.6. The locations of all soil, groundwater, and soil vapor samples collected during this investigation are shown on Figure 5. A summary of the laboratory analytical data provided for this investigation are summarized in Tables 5A through 7 and are shown on Figures 9 through 10. All samples were analyzed by a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. Daily Reports of work performed are provided in Appendix G.

6.1 Geophysical Survey Investigation

A site-wide geophysical survey was completed from 27, 28, and 31 August 2020 by Hager-Richter Geoscience, Inc. of Fords, New Jersey using electromagnetic surveying equipment (i.e., the Radiodetection RD 8000 series precision utility location [PUL] instrument, Geonics EM61-MK2 time domain electromagnetic induction metal detector) and ground penetrating radar (i.e., the Geophysical Survey Systems, Inc. UtilityScan HS system). The purpose of the survey was to provide utility clearance for the investigation and to investigate AOCs and former site features. A copy of the geophysical investigation report is provided in Appendix A.

The Site was operated as an active parking lot at the time at which the geophysical survey was completed; as such, access to areas of the Site was limited by parked vehicles which could not be re-located. Areas of the Site which were inaccessible to the geophysical survey equipment are presented on Figures 2 and 3 in Appendix A.

The geophysical survey identified the presence of linear anomalies attributed to unidentified subsurface utilities, and a large anomaly determined to at least partially consist of an unidentified buried reinforced structure. Other anomalies were attributed to the presence of buried debris containing metal. Electrical utilities were identified within the vicinity of boring locations. Subsurface metallic anomalies consistent with the presence of USTs or drums were not identified.

6.2 Soil Investigation

Eighteen soil borings (LSB-36 through LSB-50 and LSB-52 through LSB-54) were completed between 27 August and 2 September 2020 by AARCO Environmental Services Corp. of Lindenhurst, New York (AARCO). LSB-51 was a proposed contingent delineation soil boring that was to be advanced if NAPL was observed at LSB-48. As no NAPL was observed in LSB-48, LSB-51 was not completed. Soil borings were completed in areas of concern that were identified during the previous Phase II EI and in areas not previously investigated, to evaluate the extents of impacts and potential remedial options based on subsurface conditions.

A sampling plan identifying the location, depth and sampling rationale for the completed borings is provided in Table 1 and boring locations are shown on Figure 5. Subsurface profiles are provided in Figures 2A and 2B.

6.2.1 Soil Boring Investigation Methodology

Soil borings were completed using a GeoProbe®7822DT track-mounted direct push drill rig to 15 feet bgs. Soil borings were completed for the purpose of Site-wide characterization, AOC and former site feature investigation, and/or NAPL delineation as described below and in Table 1:

| Soil Boring(s) | Investigation Rationale |
|-----------------------|--|
| LSB-36 through LSB-39 | AOC-3 Investigation and Site-wide characterization |
| LSB-40 | Site-wide characterization, AOC-1 investigation, AOC-3 investigation, and NAPL delineation |

| Soil Boring(s) | Investigation Rationale |
|---|---|
| LSB-41 and LSB-42 | Site-wide characterization, AOC-1 investigation, AOC-2 investigation, AOC-3 investigation, and NAPL delineation |
| LSB-43 and LSB-44 | Site-wide characterization, AOC-1 investigation, AOC-2 investigation, and AOC-3 investigation |
| LSB-45 through LSB-50 and LSB-52 through LSB-54 | AOC-1 investigation and NAPL delineation |

Discrete soil samples were collected from the surface to the final depth of each boring and were visually classified for soil type, grain size, texture, and moisture content. At the locations completed with the direct push drill rig, continuous macrocore samples were collected in 5-foot long acetate liners to the bottom of each boring. Soil cuttings exhibiting no gross impacts were placed back into boreholes after completion of the investigation.

Field screening of soil during sample collection for VOCs using a field calibrated PID equipped with a 10.6-electron volt (eV) lamp was completed during the installation of all 18 test borings. Elevated PID readings above background were detected in soil borings as shown in the table below:

| Soil Boring | Maximum PID Reading (ppm) | Depth Interval (ft bgs) |
|--------------------|----------------------------------|--------------------------------|
| LSB-41 | 16.6 | 7.5 to 9.0 |
| LSB-42 | 14.6 | 8.0 to 11.0 |
| LSB-47 | 4.5 | 8.5 to 10.0 |
| LSB-49 | 0.6 | 9.75 to 11.0 |
| LSB-50 | 1.2 | 10.0 to 10.5 |

| Soil Boring | Maximum PID Reading (ppm) | Depth Interval (ft bgs) |
|--------------------|----------------------------------|--------------------------------|
| LSB-53 | 3.6 | 9.5 to 10.5 |
| LMW-7 | 3.0 | 13.0 to 15.0 |

No PID readings above background were measured in LSB-36 through LSB-40, LSB-43 through LSB-46, LSB-48, LSB-52, LSB-54, and LMW-9. Petroleum-like impacts, as evidenced by odors and/or sheen, were encountered in soil borings located within AOC-1 and AOC-2 including LSB-41, LSB-42, LSB-47, LSB-49, LSB-50, and LSB-53. Soil boring logs are provided in Appendix B. Sheen and LNAPL observations are provided on Figure 11.

6.2.2 Soil Sampling Methodology

A total of 32 discrete soil samples (including two blind duplicate samples) were collected for laboratory analysis. All samples were collected from the historic fill layer with the exception of the sample from 12 to 14 feet at LSB-42, collected at the fill/native interface at 13 feet bgs.

Samples for the Site-wide assessment were collected from nine borings (LSB-36 through LSB-44) from a two-foot interval ground surface (or immediately below surficial concrete/brick) and 12 to 14 feet bgs corresponding to the two-foot interval below the proposed development depth. Soil samples for the characterization of site-wide conditions were submitted for laboratory analysis of VOCs, SVOCs, PCBs, herbicides, pesticides, Target Analyte List (TAL) Metals, hexavalent chromium, per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane.

In order to delineate the NAPL impacts detected during the 2019 Phase II EI, twelve soil borings (LSB-40 through LSB-42, LSB-45 through LSB-50, and LSB-52 through LSB-54) were advanced in the central-eastern portion of the Site. Soil samples were collected from the most impacted two-foot interval based on visual observation of NAPL or from the depth interval corresponding to nearby NAPL impacts at depths ranging from 6 to 11.5 feet bgs. Due to evidence of petroleum impacts including elevated

PID readings, odor, sheen and/or NAPL, additional samples were collected from LSB-41 from 7.5 to 9.5 feet bgs, and LSB-42 from 7.5 to 9.5 feet bgs. Soil samples collected for NAPL delineation were submitted for laboratory analysis of VOCs, SVOCs, and PCBs.

Samples submitted for VOC analysis were collected from a discrete six-inch interval directly from the acetate liner via laboratory-supplied Terra Core soil samplers. PFAS samples were also collected directly from the acetate liner using dedicated nitrile gloves to limit the potential for cross contamination and placed in appropriate laboratory-supplied containers. The remaining two-foot sample interval volume was homogenized and placed in appropriate laboratory-supplied containers for all additional analyses. The sample containers were labeled, placed in a laboratory-supplied cooler and packed on ice (to maintain a temperature of $4\pm 2^{\circ}\text{C}$). The sample coolers were picked up and delivered via courier under standard chain-of-custody protocol to by Alpha Analytical, Inc. (Alpha), a NYSDOH ELAP-certified analytical laboratory (NYSDOH ELAP certification number 11148 [Westboro Laboratory] and 11627 [Mansfield Laboratory]). In addition, QA/QC samples including two duplicate samples, two matrix spike/matrix spike duplicate (MS/MSD) samples, two field blanks, and four trip blanks were collected. A sample summary is provided as Table 1.

6.3 Groundwater Investigation

A Langan field engineer documented the installation of permanent groundwater monitoring wells LMW-6 through LMW-9 by AARCO between 27 August and 1 September 2020. Monitoring well locations are provided on Figure 5, and construction logs are included in Appendix B.

6.3.1 Monitoring Well Installation and Development Methodology

Monitoring wells LMW-6 through LMW-9 were installed via direct-push drilling to between 13 and 15 feet bgs. All wells were constructed with 10 feet of 2-inch diameter 0.020-inch slot schedule 40 PVC well screen, and the remainder of the well was constructed of 2-inch diameter schedule 40 PVC riser. The well annulus around the screen of both wells was backfilled with No. 2 sand to a depth corresponding to approximately 2-feet above the screened interval. A minimum 2-foot thick hydrated bentonite

seal was installed above the sand pack at all well locations with the exception of LMW-7 (0.5 feet) and LMW-9 (0.5 feet) due to the proximity of the 2-foot sand pack to the ground surface. At locations where the seal was not in contact with ground surface, the remaining annulus was backfilled with non-impacted soil cuttings and/or clean sand. The monitoring wells were finished with flush-mount metal protective casings and concrete.

Following well construction completion, each newly installed well on Site was developed using surge pumping techniques across the well screen to agitate and remove fine particles. The whale pump was surged across the submerged well screen in 2- to 3-foot increments for approximately 2 minutes per increment. After surging, the well was purged until the water became clear. No impacts (odor, sheen, and/or product) were observed in the newly installed wells. One-inch wells previously installed during the 2019 Phase II EI were developed using a check valve and surging method across the screened interval to purge greater than three well volumes or until water became clear. Product was observed in LMW-2 and LMW-5 prior to development; as such, these wells were not developed, purged, or sampled. Purged groundwater from development activities was containerized in 55-gallon UN/DOT approved drums.

All groundwater monitoring wells were surveyed by a licensed surveyor on 11 September 2020. Due to a vehicle that could not be moved at the time of the survey, the elevation of PVC casing at LMW-2 could not be surveyed. Synoptic groundwater levels were measured on 2 September 2020 and 26 February 2021 and all groundwater monitoring wells were gauged with an oil/water interface probe prior to sample collection at each well on 10 and 11 September 2020 and on 26 February 2021. Groundwater was encountered at depths corresponding to between el 4.82 to 6.4 NAVD88 during the September 2020 sampling event and between el 5.3 to 6.82 NAVD88 during the February 2021 sampling event. The gradient at the Site is generally flat, and groundwater flow appears to be to the southeast toward the Harlem River. A potentiometric surface map generated from measurements taken during the September 2020 sampling event is provided as Figure 3.

Groundwater monitoring well locations are shown on Figure 3. Well construction details are provided in Appendix B.

6.3.2 Groundwater Sampling Methodology

Groundwater samples were collected on 10 September 2020 and 11 September 2020, greater than one week following the well development activities completed between 27 August 2020 and 2 September 2020. Monitoring wells were sampled for the purpose of site-wide characterization, AOC-investigation, former site feature investigation, and/or delineation of previously collected samples as described below and in Table 1:

| Groundwater Monitoring Well(s) | Investigation Rationale |
|---------------------------------------|---|
| LMW-1 | Site-wide characterization, AOC-1 investigation, AOC-2 investigation, and AOC-3 investigation |
| LMW-3, LMW-4, LMW-8 and LMW-9 | Site-wide characterization and AOC-3 investigation |
| LMW-6 and LMW-7 | Side-Wide Characterization, NAPL Delineation, AOC-1 Investigation, AOC-2 Investigation, and AOC-3 Investigation |
| LMW-2 and LMW-5* | AOC-1 investigation and NAPL delineation |

*LMW-2 and LMW-5 were not sampled due to the presence of product (NAPL). Product samples (fingerprint analysis, viscosity, density) were collected.

Following the review of the analytical results, a second round of groundwater sample collection was completed on 26 February 2021 to further investigate AOC-3 and to evaluate contaminants in soil as a potential source of groundwater impacts. Samples were collected from LMW-1, LMW-3, LMW-4, LMW-6, LMW-7, LMW-8, and LMW-9; LMW-2 and LMW-5 were not sampled due to the presence of free phase product (NAPL).

Samples were collected in accordance with the procedures in the USEPA's low-flow groundwater sampling procedure ("Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", EQASOP-GW 001, 19 January 2010) to allow for collection of a representative sample. Monitoring wells were purged and

physical/chemical parameters (e.g., temperature, dissolved oxygen, oxygen reduction potential, and turbidity) were allowed to stabilize to ranges specified in the USEPA guidance before sampling, or until one hour of parameter readings were obtained if stabilization did not occur. Monitoring wells were purged and sampled using a peristaltic pump with dedicated high density polyethylene tubing and VOC samples were collected using a dedicated Teflon bailer. PFAS samples were collected using dedicated nitrile gloves to limit cross contamination. No notable field observations of impacts were identified during groundwater sampling procedures. Purge water was placed in 55-gallon, United Nations/Department of Transportation (UN/DOT)-approved drums. Low flow groundwater sampling parameter sheets are provided in Appendix C.

Sixteen groundwater samples were collected into laboratory-supplied glassware, packed with ice to maintain a temperature of $\pm 4^{\circ}\text{C}$, and transported via courier service to Alpha under chain-of-custody protocol. QA/QC samples including three duplicate samples, two MS/MSD samples, two field blanks, and two trip blanks were collected. Groundwater samples collected on 10 and 11 September 2020 for site-wide characterization and AOC investigation were analyzed for VOCs, SVOCs, PCBs, herbicides, pesticides, total and dissolved TAL metals, hexavalent chromium, PFAS, and 1,4-dioxane; samples collected on 26 February 2021 to further investigation AOC-3 and to evaluate if PAH impacts in soil are a source of groundwater impacts were analyzed for total and dissolved PAHs.

LMW-2 and LMW-5 were not sampled during either sampling event for groundwater analysis due to the presence of LNAPL. Product samples were collected in September 2020 from these locations using a dedicated Teflon bailer. Two product samples were collected into laboratory-supplied glassware, packed with ice to maintain a temperature of $\pm 4^{\circ}\text{C}$, and transported via courier service to Alpha under chain-of-custody protocol. Product samples collected were analyzed for fingerprint analysis, density, and viscosity. Boiling point analysis was not performed due to high viscosity of product which could result in laboratory instrumentation failure.

6.4 Soil Vapor Investigation

Fourteen soil vapor sampling points (LSV-5 through LSV-18) were installed in the interval corresponding to the capillary fringe zone located one to two feet above observed moisture or groundwater interface. One duplicate soil vapor and two ambient air samples were collected for QA/QC purposes. Sampling was conducted in general accordance with the NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in New York.

6.4.1 Soil Vapor Implant Installation and Sampling Procedures

Temporary soil vapor sampling points LSV-5 through LSV-18 were installed between 27 August 2020 and 2 September 2020 by AARCO and sampled on 14 and 15 September 2020 by Langan. Soil vapor points were installed in the capillary fringe zone located one to two feet above observed moisture or the groundwater interface corresponding to a depth between 3 to 8 feet bgs. Each of the soil vapor points was installed via direct push drilling using Teflon-lined polyethylene tubing connected to a dedicated expendable six-inch stainless steel screen. No. 2 sand was used to backfill up to approximately one-foot above the screened interval followed by a hydrated granular bentonite clay seal to the ground surface.

| Soil Vapor Sampling Point(s) | Investigation Rationale |
|-------------------------------------|---|
| LSV-5 through LSV-9 | Site-wide characterization and AOC-3 investigation |
| LSV-10 | Site-wide characterization, AOC-1 investigation, and AOC-3 investigation |
| LSV-11 through LSV-13 | Site-wide characterization, AOC-1 investigation, AOC-2 investigation, and AOC-3 investigation |
| LSV-14 through LSV-18 | Site-wide characterization, investigation of adjacent property impacts, and AOC-3 investigation |

Prior to sampling, each soil vapor sampling point was tightness tested using the helium tracer gas method and purged at a flow rate of <200-ml per minute. No evidence of helium breakthrough (i.e., helium concentrations above 5%) was observed in any of the sample locations before sample collection. PID readings for VOCs collected from the purged soil vapor were measured at concentrations ranging from 1.4 ppm (LSV-9) to 14.29 ppm (LSV-8) during field screening of each location. Soil vapor sampling locations are shown on Figure 5 and soil vapor sampling field logs are provided in Appendix D.

Soil vapor samples were collected in laboratory-cleaned and certified evacuated 6-L stainless steel summa canisters with regulators supplied by Alpha and were laboratory analyzed for VOCs via USEPA TO-15 Method. The regulators were set to collect each sample over a 2-hour sampling period (a flow-rate of <200-ml per minute) as per USEPA/ITRC soil vapor sampling guidance. Each soil vapor sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis. Ambient atmospheric pressure ranged from 30.05 to 30.34 in Hg during the sampling timeframe.

6.4.2 Ambient Air Sampling Procedures

Concurrent with soil vapor sampling, two ambient air samples were collected to evaluate external influences on soil vapor quality for quality assurance purposes.

The ambient air samples were collected in laboratory-cleaned and certified evacuated 6-L stainless steel summa canisters with regulators supplied by Alpha and were laboratory analyzed for VOCs via USEPA TO-15 Method. The regulators were set to collect the sample over an 8-hour sampling period (a flow-rate of <200-ml per minute). The samples were numbered and recorded in a field log book and subsequently transferred to the laboratory immediately after field sampling was completed, and stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

6.5 Quality Assurance Samples and Data Validation

All soil, groundwater, and soil vapor sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. For soil sampling, this included the use of a dedicated acetate liner within a stainless steel macrocore sampling device. Soil samples were then placed in glassware supplied by the laboratory. For groundwater, dedicated high density polyethylene tubing was used. Groundwater samples were collected directly into glassware supplied by the laboratory. For soil vapor, dedicated expendable six-inch stainless steel screens and tubing were used.

Each sample was numbered and recorded in a field log book. Soil and groundwater samples were transferred to the laboratory immediately after field sampling was completed and were stored at a maximum of 4° Celsius. Soil vapor samples were transferred to the laboratory immediately after field sampling was completed, and were stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession and analysis.

Quality assurance (trip blanks) and quality control samples (field blank samples, duplicate samples, matrix spike/matrix spike duplicate [MS/MSD] samples, and ambient air samples) were incorporated into the sampling events and consisted of four field blanks (two for soil and two for groundwater), six duplicate samples (two for soil, three for groundwater, and one for soil vapor), 7 trip blanks (five for soil and two for groundwater), four MS/MSD samples (two for soil and two for groundwater), and two ambient air samples for soil vapor.

One soil duplicate sample was collected from the LSB-44 location from 12 to 14 feet bgs for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, mercury, PFAS, and 1,4-dioxane analysis; the analytical results were consistent with those reported for the LSB-44_12.0-14.0 sample with the exception of calcium, copper, fluoroanthene, lead, mercury, phenathrene, pyrene, and zinc which were compared to precision criteria and subsequently qualified. One soil duplicate sample was collected from the LSB-39 location from 1 to 3 feet bgs for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, mercury, PFAS, and 1,4-dioxane analysis; the

analytical results were consistent with those reported for the LSB-39_1.0-3.0 with the exception of 4,4'-DDD, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, total calcium, total chromium, trivalent chromium, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, total mercury, total nickel, perfluorodecanoic acid, pyrene, total vanadium, and total zinc which were compared to precision criteria and subsequently qualified.

Two soil sampling field blank was also collected and analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, total TAL metals, hexavalent chromium, mercury, PFAS, and 1,4-dioxane. The SVOCS naphthalene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, benzo(ghi)perylene, phenanthrene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene the metal aluminum, and the PFAS compound perflurohexanoic acid (PFHxA) were detected. Four trip blanks were collected and analyzed for VOCs; no VOCs were detected in any of the four trip blank samples collected. Data usability is discussed in Section 6.6.4.

During the September 2020 sampling event, one groundwater duplicate sample was collected from the LMW-1 location for VOCs, SVOCs, PCBs, pesticides, herbicides, total and dissolved TAL metals, mercury, hexavalent chromium, PFAS, and 1,4-dioxane analysis; the analytical results were consistent with those reported for the LMW-1 sample with the exception of perfluorobutanesulfonic acid, which was compared to precision criteria and subsequently qualified. During the February 2021 sampling event, one groundwater duplicate sample was collected from the LMW-9 location for total PAHs; the analytical results were consistent with those reported for the LMW-9 sample. One groundwater duplicate sample was also collected from the LMW-9 location for dissolved PAHs; the analytical results were consistent with those reported for the LMW-9 sample with the exception of benzo(a)anthracene, benzo(b)fluoranthene, and phenanthrene which were compared to precision criteria and subsequently qualified.

During the September 2020 sampling event, one field blank was also collected and analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, total and dissolved TAL metals, mercury, hexavalent chromium, PFAS, and 1,4-dioxane analysis. The dissolved metal antimony was detected. During the February 2021 sampling event, an additional field blank was collected and analyzed for total PAHs; no PAHs were detected in the sample collected. Two trip blanks were

collected and analyzed for VOCs; no VOCs were detected in either of the samples. Data usability is discussed in Section 6.6.4.

A soil vapor duplicate sample was collected from sampling point LSV-13 for VOC analysis; the analytical results were consistent with those reported for the LSV-13 sample with the exception of carbon disulfide, which was compared to precision criteria and subsequently qualified. Two ambient air samples were collected for VOCs. Compounds detected in the samples include 1,2,4-trimethylbenzene, 1,3-butadiene, 2,2,4-trimethylpentane, acetone, benzene, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, ethylbenzene, isopropanol, m,p-xylene, n-heptane, n-hexane, o-xylene, toluene, and total xylenes. These compounds were also detected in corresponding soil vapor samples collected with the exception of 1,3-butadiene, ethylbenzene, m,p-xylene, o-xylene, and total xylenes for samples collected on 14 September 2020 and chloromethane for samples collected on 14 and 15 September 2020. Data usability is discussed in Section 6.6.4.

Analytical data was submitted to a Langan validator for review in accordance with USEPA and NYSDEC validation protocols. A DUSR was prepared for each delivery group following data validation. The DUSR presents the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain-of-custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. For each of the organic analytical methods, the following was assessed:

- Holding times
- Instrument tuning
- Instrument calibrations
- Blank results
- System monitoring compounds or surrogate recovery compounds (as applicable)
- Internal standard recovery results
- MS/MSD results
- Target compound identification
- Chromatogram quality
- Compound quantization and reported detection limits
- System performance
- Results verification

DUSRs are provided in Appendix F. Based on the results of data validation, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and best professional judgment:

- **R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- **J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- **U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

After data validation was complete, validated data was used to prepare the tables and figures included in this report.

6.6 Laboratory Analytical Results

Summaries of the laboratory analytical results for soil, groundwater, and soil vapor are provided in Tables 5A, 5B, 6A, 6B, and 7, respectively, and are shown on Figures 9, 10, and 8, respectively. Analytical results are discussed in detail below. The complete laboratory analytical packages are provided in Appendix E.

6.6.1 Soil Analytical Results

All soil analytical results were compared to the NYSDEC Unrestricted Use SCOs, Commercial RUSCOs, and Protection of Groundwater SCOs and are summarized in Table 5A; PFAS soil analytical results are summarized on Table 5B. All soil analytical results are summarized on Figure 9. Duplicate soil samples results are not included in the discussion as these samples are collected for quality assurance/quality control verification of the laboratory results only and are discussed in Section 6.5.

VOCs

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs and/or Protection of Groundwater SCOs for acetone (0.067 milligram per kilogram [mg/kg] – 0.11 mg/kg). No exceedances of the Commercial RUSCOs were identified for VOCs.

SVOCs

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs for PAHs.

Compounds detected in exceedance of the Unrestricted Use SCOs and/or the Protection of Groundwater SCOs include 3 and 4 methylphenol (0.46 mg/kg – 3.6 mg/kg), acenaphthene (100 mg/kg), anthracene (220 mg/kg), benzo(a)anthracene (1.1 mg/kg – 200 mg/kg), benzo(a)pyrene (1.2 mg/kg – 170 mg/kg), benzo(b)fluoranthene (1.2 mg/kg – 180 mg/kg), benzo(k)fluoranthene (0.92 mg/kg – 64 mg/kg), chrysene (1.2 mg/kg – 170 mg/kg), dibenzo(a,h)anthracene (0.34 mg/kg – 22 mg/kg), dibenzofuran (110 mg/kg), fluoranthene (570 mg/kg), fluorene (140 mg/kg), indeno(1,2,3-c,d)pyrene (0.53 mg/kg – 86 mg/kg), naphthalene (200 mg/kg), phenanthrene (810 mg/kg), phenol (2 mg/kg), and pyrene (500 mg/kg). Compounds detected at concentrations also exceeding the Commercial RUSCOs include benzo(a)anthracene (6.2 mg/kg – 200 mg/kg), benzo(a)pyrene (1.2 mg/kg – 170 mg/kg), benzo(b)fluoranthene (6.7 mg/kg – 180 mg/kg), benzo(b)fluoranthene (64 mg/kg), chrysene (170 mg/kg), dibenzo(a,h)anthracene (0.92 mg/kg – 22 mg/kg), fluoranthene (570 mg/kg), indeno(1,2,3-c,d)pyrene (12 mg/kg – 86 mg/kg), and phenanthrene (810 mg/kg). The sample collected from LSB-37, located in the northwestern portion of the Site, from 12 to 14 feet bgs exhibited the highest concentrations of PAHs exceeding the NYSDEC SCOs.

PCBs

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs for total PCBs in LSB-38 located in the central portion of the Site from 2 to 4 feet bgs (0.112 mg/kg) and in LSB-53 located in the southeastern portion of the site from 9.5 to 11.5 feet bgs (0.221 mg/kg).

No exceedances of the NYSDEC Commercial RUSCOs or Protection of Groundwater SCOs were identified for PCBs.

Pesticides

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs for pesticides including 4,4'-DDD (0.00692 mg/kg – 0.00971 mg/kg), 4,4'-DDE (0.00989 mg/kg - 0.0118 mg/kg), and 4,4'-DDT (0.00692mg/kg – 0.0372 mg/kg) were identified in exceedances on the Unrestricted Use SCOs. The sample collected from LSB-36, located in the northwestern portion of the Site, from 1 to 3 feet bgs exhibited the highest concentrations of pesticides. No exceedances of the NYSDEC Commercial RUSCOs or Protection of Groundwater SCOs were identified for pesticides.

Herbicides

Analytical results revealed no exceedances of the NYSDEC SCOs for herbicides.

Inorganics

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs for metals.

Compounds detected in exceedance of the Unrestricted Use SCOs and/or the Protection of Groundwater SCOs include arsenic (15.5 mg/kg – 51 mg/kg), barium (586 mg/kg), cadmium (4.34 mg/kg – 21 mg/kg), hexavalent chromium (2.52 mg/kg), trivalent chromium (120 mg/kg), copper (62.8 mg/kg – 3,220 mg/kg), lead (63.1 mg/kg – 9,450 mg/kg), mercury (0.181 mg/kg – 2.44 mg/kg), nickel (31 mg/kg – 252 mg/kg), selenium (25.2 mg/kg), silver (10.2 mg/kg), and zinc (137 mg/kg - 5,310 mg/kg). Compounds detected at concentrations also exceeding the Commercial RUSCOs include arsenic (23.7 mg/kg – 51 mg/kg), barium (586 mg/kg), cadmium (21 mg/kg) copper (323 mg/kg – 3,220 mg/kg), and lead (1,230 mg/kg – 9,450 mg/kg).

The sample collected from LSB-39, located in the central portion of the Site, from 12 to 14 feet bgs exhibited the highest concentrations of metals exceeding the NYSDEC SCOs.

Emerging Contaminants (PFAS: 21-Compound List)

Soil sample analytical results are compared to the Unrestricted Use, Protection of Groundwater, and Commercial SCOs identified in the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) for dated October 2020. Analytical results are summarized in Table 5B and on Figure 9.

Perfluorooctanesulfonic acid (PFOS) was detected above the Unrestricted Use SCO (1.02 µg/kg – 2.02 µg/kg) from 1 to 5 feet bgs. Perfluorooctanoic Acid (PFOA) was detected above the Unrestricted Use SCO (0.784 µg/kg) and above the Unrestricted Use and Protection of Groundwater SCOs (1.58 µg/kg) from 1 to 3.5 feet bgs. No PFAS compounds were detected above the Commercial RUSCOs. The highest concentration of PFAS detected was 10.9 ppb in LSB-39, located in the central portion of the Site, from 1 to 3 feet bgs.

Conclusions

Impacts indicative of contaminated historic fill are present throughout the Site footprint. Exceedances of the analytes associated with contaminated historic fill, including PAHs, pesticides, and metals, were detected within the historic fill layer. The highest concentrations of PAHs were detected in the western portion of the Site and the highest concentrations of metals were detected in the western and central portions of the Site. Elevated concentrations of PCBs were also detected in one sample collected from LSB-53 from 9.5 to 11.5-feet bgs where elevated PID readings and petroleum-like impacts including sheen, odor, and NAPL were identified. Concentrations of PFOS and PFOA were detected above the Unrestricted Use SCOs in the central and eastern portions of the Site, although not above the Commercial RUSCOs.

Elevated concentrations of PAHs, pesticides, metals, and PCBs above the Unrestricted Use SCOs, Protection of Groundwater SCOs, and/or Commercial RUSCOs are attributed to the presence of urban fill of unknown origin. The presence of PFOS and PFOA in shallow fill material in the eastern portion of the Site may be attributable to fill of unknown origin or may be attributable to releases from the historical laundry facility.

6.6.2 Groundwater Analytical Results

All groundwater analytical results were compared to the NYSDEC SGVs and are summarized in Table 6A; PFAS analytical results are summarized in Table 6B. All groundwater analytical results are presented on Figure 10. Duplicate groundwater samples results are not included in the discussion as these results are discussed in detail in Section 6.5.

VOCs

Analytical results revealed exceedances of the NYSDEC SGVs for the VOC tert-butyl methyl ether (MTBE) (12 micrograms per liter [$\mu\text{g/L}$] - 18 $\mu\text{g/L}$) in LMW-3 and LMW-9 located in the central and west-central portions of the Site, respectively. No other VOCs were detected above the SGVs.

SVOCs

Analytical results for samples collected in September 2020 revealed exceedances of the NYSDEC SGVs for the PAHs benzo(a)anthracene (0.09 $\mu\text{g/L}$ - 2.2 $\mu\text{g/L}$), benzo(a)pyrene (0.09 $\mu\text{g/L}$ - 2 $\mu\text{g/L}$), benzo(b)fluoranthene (0.1 $\mu\text{g/L}$ - 2.2 $\mu\text{g/L}$), benzo(k)fluoranthene (0.03 $\mu\text{g/L}$ - 0.77 $\mu\text{g/L}$), chrysene (0.08 $\mu\text{g/L}$ - 2.1 $\mu\text{g/L}$), and indeno(1,2,3-c,d)pyrene (0.04 $\mu\text{g/L}$ - 1.2 $\mu\text{g/L}$) in three of seven groundwater samples collected for SVOC analysis during the investigation. The highest concentrations of SVOCs exceeding the SGVs identified during the investigation were observed at LMW-8 located in the western portion of the Site.

Analytical results for samples collected in February 2021 revealed exceedances of the NYSDEC SGVs for PAHs compounds including total benzo(a)anthracene (0.07 $\mu\text{g/L}$), total benzo(a)pyrene (0.05 $\mu\text{g/L}$), total benzo(b)fluoranthene (0.05 $\mu\text{g/L}$), and total chrysene (0.06 $\mu\text{g/L}$) at LMW-8. Dissolved concentrations of these compounds were not detected at this location. Dissolved benzo(a)anthracene (0.02 $\mu\text{g/L}$) and dissolved benzo(b)fluoranthene (0.02 $\mu\text{g/L}$) were detected in exceedance of the SGVs at LMW-9, although these compounds were not detected at this location for total PAH analysis.

PCBs

Analytical results revealed no exceedances of the NYSDEC SGVs.

Pesticides

Analytical results revealed no exceedances of the NYSDEC SGVs.

Herbicides

Analytical results revealed no exceedances of the NYSDEC SGVs.

Inorganics

Analytical results revealed exceedances of the NYSDEC SGVs for metals in all groundwater samples collected during the investigation. Exceedances include total antimony (4.2 µg/L), dissolved antimony (6.38 µg/L), total iron (1,880 µg/L – 12,600 µg/L), dissolved iron (896 µg/L – 2,320 µg/L), total lead (117.6 µg/L), total magnesium (96,100 µg/L – 118,000 µg/L), dissolved magnesium (104,000 µg/L – 117,000 µg/L), total manganese (425.7 µg/L – 669 µg/L), dissolved manganese (422.1 µg/L – 671 µg/L), total mercury (0.77 µg/L – 2.63 µg/L), total sodium (36,800 µg/L – 139,000 µg/L), and dissolved sodium (37,400 µg/L – 182,000 µg/L).

Emerging Contaminants (1,4-dioxane and PFAS: 21-Compound List)

All seven groundwater samples were analyzed for PFAS and 1,4-dioxane. Analytical results for 1,4-dioxane were compared to NYSDEC Volume A (Title 10) Subpart 5-1.51 Public Water Systems Maximum Contaminant Levels (MCLs) dated August 2020. PFAS results were compared to screening values provided in the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and Analysis of PFAS (October 2020). Analytical results are summarized in Table 6B and on Figure 10.

1,4-dioxane was not detected above the MCL in any samples collected. PFAS compounds were detected in all seven groundwater samples collected; however, only PFOS and PFOA were detected above the applicable screening level of 10 ng/L.

PFOS (30.9 ng/L – 62.8 ng/L) was detected above the guidance value of 10 ng/L in three groundwater samples and PFOA (21.2 ng/L – 43.4 ng/L) was detected above the guidance value of 10 ng/L in four groundwater samples collected. The highest concentrations of PFOS and PFOA were detected in LMW-7 and LMW-8, respectively.

LNAPL

Two LNAPL samples were collected from LMW-2 (Product-3) and LMW-5 (Product-4) and submitted for petroleum identification (fingerprint) analysis. LMW-2 and LMW-5 are located in the eastern portion of the site, which was historically approved for automotive repair and fuel storage, and in the vicinity of the boiler room associated with the former steam laundry facility. The product in both samples was determined to be similar to Fuel Oil No. 6. The samples were analyzed for total petroleum hydrocarbons which revealed concentrations between 495,000 mg/kg and 516,000 mg/kg. The samples were also analyzed for density and viscosity. Density was reported to be between 0.9952 and 0.9979 grams per milliliter (g/mL). Viscosity ranged from 485 to 516 Seconds Saybolt Furol (SSF). Boiling point analysis was not performed due to thickness of product.

Conclusions

The petroleum-related VOC MTBE were detected in exceedance of the NYSDEC SGVs in two wells located in the western and central portion of the Site. MTBE in groundwater may be attributed to historical Site operation for automotive repair and/or petroleum storage or an unidentified offsite source. PAHs and metals (antimony, lead, mercury) commonly associated with historic fill were identified in groundwater in exceedance of the SGVs primarily in the western portion of the Site. Based on the results of total PAHs and dissolved PAHs collected during the February 2021 sampling event, elevated concentrations of PAHs and metals in groundwater are attributed to sediment entrainment of historic fill of unknown origin in the samples and are not indicative of any discrete releases to the subsurface; PAHs in soil are not considered to be an ongoing source of groundwater contamination. Other metals (total and/or dissolved iron, manganese, magnesium and sodium) detected in exceedance of NYSDEC SGVs were identified throughout the Site footprint and are likely attributable to naturally occurring background concentrations. LNAPL was identified in LMW-2 and LMW-5 in the eastern portion of the Site; fingerprint analysis of the product determined that it was similar to No. 6 Fuel Oil. The presence of NAPL at the Site is attributable to historical Site operations including the former boiler room of the historical laundry facility and/or former automotive repair. PFOS and/or PFAS was detected above the guidance screening level of 10 ng/L

in six of the seven groundwater samples collected throughout the Site footprint. The presence of PFOS and PFOA in groundwater may be attributable to releases from the historical laundry facility.

6.6.3 Soil Vapor Analytical Results

Soil vapor analytical results were compared to NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and revised in May 2017. These results are summarized in Table 7 and are shown on Figure 18. Duplicate soil vapor samples results are not included in the discussion as these results are discussed in detail in Section 6.5.

The soil vapor results identified detections of petroleum-related VOCs including BTEX compounds in 5 of 14 soil vapor sampling locations; cumulative BTEX concentrations ranged from 0.765 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) at LSV-6 to 18.985 $\mu\text{g}/\text{m}^3$ at LSV-10. Additional petroleum-related VOCs including 1,2,4-trimethylbenzene (1 $\mu\text{g}/\text{m}^3$ – 3.53 $\mu\text{g}/\text{m}^3$), 1,3,5-trimethylbenzene (1.12 $\mu\text{g}/\text{m}^3$), and MTBE (0.937 $\mu\text{g}/\text{m}^3$ – 1.69 $\mu\text{g}/\text{m}^3$) were also detected. The highest concentrations of petroleum related compounds were identified in LSV-10 located in the central-eastern portion of the Site within the area of petroleum impacts from the historical former boiler room. No exceedances of the NYSDOH Soil Vapor Intrusion matrices for chlorinated VOCs were identified during this investigation.

Conclusions

The soil vapor evaluation identified BTEX and other petroleum-related compounds in LSV-6, LSV-7, LSV-9, LSV-10, LSV-12, and LSV-13. These petroleum related VOCs were not identified above applicable SCOs or SGVs in soil or groundwater samples collected during this investigation with the exception of MTBE in groundwater. The highest concentrations of petroleum related compounds in soil vapor were identified in LSV-10 located in the central-eastern portion of the Site. The presence of petroleum-related VOCs in soil vapor may be attributed to historical site operations including automotive repair and fuel storage or to an unknown offsite source. No exceedances of the NYSDOH Soil Vapor Intrusion matrices were identified during this investigation.

6.6.4 Data Usability

The DUSRs were prepared in accordance with DER-10 and reviewed by Langan's in-house validator before issuance. The DUSRs presented the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of deficiencies for each analytical method. DUSRs for the RI are provided in Appendix F.

All data are considered usable, as qualified. Some data qualifiers were appended to the reported results, which have been included in the respective data summary tables (Tables 5A through 7). Copies of the DUSRs are included in Appendix F.

6.7 Evaluation of Areas of Concern

This section discusses the results of the RI with respect to the AOCs described in detail in Section 5.0.

6.7.1 AOC-1: Petroleum Impacts from Historical Site Operations

Historical records indicate that historical Site operations may have included automotive repair and gasoline. Additionally, historical records identified that a steam laundry building with a large boiler room operated on the easternmost portion of the site and that fuel oil use was historically approved for the entire site.

As discussed in Section 5.0, the 2019 Phase II EI results for this AOC identified petroleum impacts including elevated PID readings, odors, and observations of LNAPL Sheen and LNAPL observations are provided on Figure 11. Laboratory analysis of the LNAPL determined the sample to be a combination of material similar to Diesel Fuel/Fuel Oil #2 and material which is similar to a hydraulic, lubricating, motor, or waste oil type product. Laboratory analytical results from soils samples also identified PAHs above the NYSDEC SCOs indicative of petroleum impacts and the presence of historic fill. PAHs detected in soil were also detected in groundwater above the NYSDEC SGVs. Based on the observations of LNAPL during the investigation, NYSDEC was notified of a release and Spill No. 1902392 was assigned on 6 June 2019.

Historical soil vapor results from within this area identified elevated concentrations of petroleum-related VOCs.

Soil

In order to further characterize the petroleum impacts identified in the 2019 Phase II EI and to delineate the NAPL observations, fourteen soil borings (LSB-40 through LSB-50 and LSB-52 through LSB-54) were advanced at the Site. Ten discrete soil samples were collected from a two-foot interval immediately below ground surface or immediately below encountered concrete/brick and from 12 to 14 feet bgs corresponding to the two-foot interval below the proposed development depth from LSB-40 to LSB-44. Twelve samples were also collected from the most impacted two-foot interval or the interval delineating subsurface impacts at depths ranging from 6 to 11.5 feet bgs in all soil borings within the AOC. All samples were collected from the historic fill layer with the exception of the sample from 12 to 14 feet at LSB-42, collected at the fill/native interface at 13 feet bgs. A summary of the soil analytical results for AOC-1 is summarized as follows:

- Elevated PID readings and petroleum-like impacts, as evidenced by odors, NAPL, and/or sheen, were observed in soil between 7.5 and 11 feet bgs in LSB-41, LSB-42, LSB-47, LSB-49, LSB-50, LSB-53, and the soil boring drilled for the installation of monitoring well LMW-7.
- The VOC acetone was detected in exceedance of the Unrestricted Use SCO and Protection of Groundwater SCO in LSB-47 from 8.5 to 10.5 feet bgs and LSB-50 from 9.5 to 11.5 feet bgs. Acetone is a common laboratory artifact and is likely not associated with historical site uses. No other VOCs were detected above the Unrestricted Use SCOs.
- Eight SVOCs (3 and 4 methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) were detected above the Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs in 11 of 22 samples collected at depths ranging from 1.5 to 14 feet bgs in the historic fill layer in AOC-1.

- The metals arsenic, copper, and lead were detected above the Commercial RUSCOs in the sample collected from LSB-40 from 1 to 3 feet bgs and cadmium was detected above the Commercial RUSCO in the sample collected from LSB-41 from 12 to 14 feet bgs. No other metals were detected above the Commercial RUSCOs in this AOC. Six metals, including hexavalent chromium, trivalent chromium, mercury, nickel, selenium, and zinc were detected above the Unrestricted Use SCO and/or Protection of Groundwater SCOs.
- Two pesticides, including 4,4'-DDE and 4,4'-DDT, were detected above the Unrestricted Use SCO in the sample collected from LSB-42 from 1.5 to 3.5 feet bgs and the sample collected from LSB-43 from 2.5 to 4.5 feet bgs. No other pesticides were detected above the Unrestricted Use SCO, Commercial RUSCOs, or Protection of Groundwater SCOs in this AOC.
- Total PCBs were detected above Unrestricted Use SCO in one sample collected from LSB-53 from 9.5 to 11.5 feet bgs. No other PCBs were detected above the Unrestricted Use SCO, Commercial RUSCOs, or Protection of Groundwater SCOs in this AOC.
- Herbicides were not detected above the Unrestricted Use SCO, Protection of Groundwater SCOs, or Commercial RUSCOs in this AOC.
- PFOS was detected above the Unrestricted Use SCO in LSB-43 and LSB-44 from 2.5 to 5 feet bgs. PFOA was detected above the Unrestricted Use SCO in LSB-42 from 1.5 to 3.5 feet bgs. No PFAS compounds were detected above the Commercial RUSCOs or Protection of Groundwater SCOs in this AOC.
- Evidence of petroleum impacts was identified in neither LSB-45 nor LSB-46 to the west of AOC-1, nor in LSB-48 and LSB-52 to the east of AOC-1; therefore, the NAPL observations are horizontally delineated by these borings.

Groundwater

In order to further characterize the petroleum impacts and to delineate the NAPL observations, three groundwater samples were collected from three monitoring wells (LMW-1, LMW-6, and LMW-7). NAPL was

detected in two monitoring wells (LMW-2 and LMW-5) which were not sampled; however, product samples were collected from these wells. Monitoring wells LMW-1, LMW-2, and LMW-5 were installed during the 2019 Phase II EI and LMW-6 and LMW-7 were installed during the 2020 RI. LMW-1, LMW-2, and LMW-5 were installed in the area of the historical boiler room of the former laundry facility. LMW-6 was installed adjacent to the east of this area and LMW-7 was installed in the downgradient portion of the site. A summary of the groundwater analytical results for AOC-1 is summarized as follows:

- LNAPL was identified in LMW-2 and LMW-5
- VOCs were not identified above SGVs in the three wells sampled for this AOC.
- The SVOC indeno(1,2,3-c,d)pyrene was detected above the SGV in LMW-1. SVOCs were not detected above the SGVs in LMW-6 or LMW-7.
- Three total and two dissolved metals, including iron, manganese, and sodium were detected above the SGVs in LMW-1, LMW-6, and LMW-7.
- Pesticides, herbicides, and PCBs were not detected above the SGVs in any groundwater samples collected in AOC-1.
- PFAS compounds were detected in all groundwater samples collected within this AOC. PFOS was detected above the guidance value of 10 ng/L in all three groundwater samples collected from this AOC and PFOA was detected above the guidance value of 10 ng/L in LMW-1.
- Two fingerprint samples were collected and submitted from LNAPL present in LMW-2 and LMW-5. The product in both samples was determined to be similar to Fuel Oil No. 6. Total petroleum hydrocarbons were detected between 495,000 mg/kg and 516,000 mg/kg. Density was reported to be between 0.9952 and 0.9979 grams per milliliter (g/mL) and viscosity ranged from 485 to 516 Seconds Saybolt Furol (SSF).

Soil Vapor

Four soil vapor points (LSV-10 through LSV-12 and LSV-17) were installed in or in close proximity to AOC-1. LSV-10 and LSV-11 were installed in the footprint of the historical boiler room of the former laundry facility, LSV-12

was installed to the east of this area, and LSV-17 was installed to the southeast of this area. A summary of the soil vapor analytical results for samples collected within the vicinity AOC-1 is summarized as follows:

- NYSDOH Soil Vapor Intrusion Matrix compounds were not identified above the monitoring and/or mitigation thresholds in samples collected from this AOC
- Petroleum-related VOCs including BTEX, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and/or MTBE were detected in LSV-10 and LSV-12. The highest concentrations of petroleum related compounds were identified in LSV-10 located in the southwestern portion of the AOC.

AOC-1 Conclusions

Field observations of petroleum impacts including elevated PID readings, odors, sheen, and/or NAPL were observed in fill in soil borings located within AOC-1 and are likely associated with historical site use as a potential automotive repair facility with fuel storage and the former boiler room associated with the historical steam laundry facility. The horizontal extents of petroleum impacts were defined to the east and to the west during this investigation; the extent of petroleum impacts to the north and south are defined by the Site boundary. Vertically, petroleum impacts were identified between 7.5 and 11 feet bgs in AOC-1. The VOC acetone, a common laboratory artifact, was detected in soil above regulatory criteria although is likely not associated with historical site uses. Elevated concentrations of PAHs, pesticides, metals, and PCBs above the Unrestricted Use SCOs, Protection of Groundwater SCOs, and/or Commercial RUSCOs are attributed to the presence of urban fill of unknown origin

Detections of metals in groundwater in AOC-1 are attributed to naturally occurring background concentrations and the detection of the PAH indeno(1,2,3-cd)pyrene in LMW-1 is likely attributed to the presence of fill material in contact with groundwater. Although NYSDOH Soil Vapor Intrusion Matrix CVOCs were not identified above the monitoring and/or mitigation thresholds in samples collected from this AOC, petroleum-related VOCs including BTEX compounds, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and/or MTBE were detected in AOC-1.

6.7.2 AOC-2: Chlorinated VOCs from Historical Site Operations

Historical Site operations included a laundry facility and potential automotive repair. As discussed in Section 5.0, soil vapor sampling was completed during the 2019 Phase II EI and the laboratory analytical results identified that PCE was detected in all soil vapor samples collected at concentrations above the monitoring and/or mitigation threshold according to NYSDOH Soil Vapor Intrusion Matrix B. Additional investigation was completed to further evaluate CVOC impacts.

Soil

In order to further characterize CVOC impacts, eight discrete soil samples were collected from four borings (LSB-41 through LSB-44) from the two-foot interval immediately below ground surface or immediately below encountered concrete/brick and from 12 to 14 feet bgs, which corresponds to the two-foot interval below the proposed development depth. CVOCs were not detected in any of the soil samples collected. Analytical results for these samples were also collected to characterize AOC-1 and are discussed in Section 6.7.1.

Groundwater

In order to further characterize CVOC impacts, three groundwater samples were collected from three monitoring wells (LMW-1, LMW-6, and LMW-7). CVOCs were not detected in any of the groundwater samples collected. Analytical results for these samples were also collected to characterize AOC-1 and are discussed in Section 6.7.1.

Soil Vapor

In order to further characterize CVOC impacts, five soil vapor points (LSV-11 through LSV-13, LSV-17, and LSV-18) were installed to assess AOC-2. Analytical results for LSV-11, LSV-12, and LSV-17 were also collected to characterize AOC-1 as discussed in Section 6.7.1 and are excluded from discussion below. LSV-13 was installed in the northeastern portion of the AOC and LSV-18 was installed along the eastern portion of the AOC. Samples were also collected to address the 24 April 2020 NYSDEC Draft RIWP Comment Letter request for further investigation to evaluate potential exposure via soil vapor intrusion at the buildings immediately adjacent to the Site. In addition to LSV-13, LSV-17,

and LSV-18, soil vapor points installed along the perimeter of the property include LSV-14 through LSV-16. A summary of soil vapor analytical results are summarized below:

- NYSDOH Soil Vapor Intrusion Matrix compounds were not identified above the monitoring and/or mitigation thresholds in samples collected from this AOC or for the adjacent site soil vapor intrusion investigation.
- Petroleum-related VOCs including 1,2,4-trimethylbenzene in LSV-13 and LSV-16 and toluene in LSV-13 were detected.

AOC-2 Conclusions

Petroleum impacts and contaminated fill material were identified in soil and are discussed in detail in Section 6.7.1. No CVOCs were detected in soil above the SCOs.

Detections of metals in groundwater re attributed to naturally occurring background concentrations and the detection of the PAH indeno(1,2,3-cd)pyrene in LMW-1 is likely attributed to the presence of fill material in contact with groundwater. No CVOCs were detected in groundwater above SGVs.

Although CVOCs were not detected in exceedance of the NYSDOH Soil Vapor Intrusion Matrix monitoring and/or mitigation threshold value during the 2020 RI, PCE was detected in exceedance of the threshold during the 2019 Phase II EI. The disparity in soil vapor concentrations of PCE between the 2019 and 2020 investigations may be the result of differences in barometric pressure between the two sampling events; barometric pressure during the sample collection timeframe during the 2019 Phase II EI ranged from 29.95 to 29.87 in Hg and barometric pressure during the sampling collection timeframe during the two days of the 2020 RI ranged from 30.05 to 30.08 in Hg and 30.32 to 30.34 in Hg. The lower barometric pressure during the 2019 Phase II EI may have resulted in the higher PCE concentrations detected in those samples. Weather records from each day of soil vapor sampling are provided in Appendix D.

PCE was not detected in exceedance of NYSDEC SCOs or SGVs in soil or groundwater samples collected during the 2019 and 2020 investigations. As such, the presence of PCE in soil vapor is attributed to an off-Site source.

6.7.3 AOC-3: Historical Filling Associated with the Harlem River and Site-Wide Assessment

The Site is located within the historical extents of the Harlem River and consists of created land; as such, it is likely that the area was subject to historical filling using material of an unknown origin to raise grades. Soil borings and monitoring wells were advanced throughout the entirety of the site to assess for the potential subsurface impacts from historical filling.

Based on the results of soil, groundwater, and soil vapor sampling completed during the 2019 Phase II EI, petroleum impacts in soil, groundwater, and soil vapor and chlorinated VOC impacts in soil vapor are present in the subsurface which may be the result of historical site uses as an automotive repair facility, gasoline station and a laundry facility. PAH and metal impacts in soil and groundwater are also likely the result of historical filling of the site using material of an unknown origin to raise grades.

The results of this investigation were also used to perform a Site-wide assessment of soil, groundwater, and soil vapor.

Soil

In order to further characterize site-wide conditions and impacts associated with former site use, a total of 18 discrete soil samples were collected from 9 borings for laboratory analysis. Of these, 10 samples collected from list of borings were previously discussed as part of the AOC-1 assessment in Section 6.7.1 and are excluded from discussion below.

Samples collected from outside the extents of AOC-1 and not previously discussed were collected from four borings (LSB-36 through LSB-39) from a two-foot interval immediately below ground surface or immediately below encountered concrete/brick, and from 12 to 14 feet bgs corresponding

to the two-foot interval below the proposed development depth. All samples were collected from the historic fill layer.

Soil analytical results collected at the site for further characterization of AOC-3 and the Site-wide assessment and not previously discussed as part of the AOC-1 assessment in Section 6.7.1 are summarized as follows:

- Elevated PID readings were observed in the soil boring drilled for the installation of monitoring well LMW-7. No other petroleum-like impacts, including odors, NAPL and/or sheen, were encountered.
- No VOCs were detected above the Unrestricted Use SCOs.
- Seventeen SVOCs (3 and 4 methylphenol, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, phenol, and pyrene) were detected above the Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs in all samples collected with the exception of the sample collected from LSB-37 from 1 to 3 feet bgs. The highest SVOC concentrations were observed in LSB-37 from 12 to 14 feet bgs located in the northwestern portion of the site.
- The metals arsenic, barium, and lead in LSB-36 from 1 to 3 feet bgs and copper and lead in LSB-39 from 12 to 14 feet bgs were detected above the Commercial RUSCOs. No other metals were detected above the Commercial RUSCOs. The metals = mercury and/or zinc were detected above the Unrestricted Use SCOs and/or Protection of Groundwater SCOs in all samples for which metals were analyzed with the exception of LSB-37 from 1 to 3 feet bgs.
- Three pesticides, including 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above Unrestricted Use SCOs in samples collected from LSB-36 from 1 to 3 feet bgs and LSB-39 from 1 to 3 and 12 to 14 feet bgs. .
- Total PCBs were detected above the Unrestricted Use SCOs in LSB-38 from 2 to 4 feet bgs and LSB-53 from 9.5 to 11.5 feet bgs.

- No herbicides were detected in exceedance of the Unrestricted Use SCOs, Industrial RUSCOs, or Protection of Groundwater SCOs in any samples collected from the fill layer on the Site.
- PFOS was detected above the Unrestricted Use SCO in LSB-39 from 1 to 3 feet bgs. PFOA was detected above the Unrestricted Use and Protection of Groundwater SCO in LSB-39 from 1 to 3 feet bgs. No PFAS compounds were detected above the Commercial RUSCOs. Total PFAS concentrations ranged from 0.073 ppb in LSB-39 from 12 to 14 feet bgs to 10.9 ppb in LSB-39 from 1 to 3 feet bgs.

Groundwater

Monitoring wells LMW-1 through LMW-5, which were installed during the 2019 Phase II EI, and wells LMW-6 through LMW-9, which were installed during the 2020 RI, were sampled to characterize site-wide conditions during the September 2020 sampling event. Following the review of the analytical results, a second round of groundwater sample collection was completed in February 2021 to further investigate AOC-3 and to evaluate contaminants in soil as a potential source of groundwater impacts; samples for total and dissolved PAHs were collected from LMW-1, LMW-3, LMW-4, and LMW-6 through LMW-9. September 2020 analytical results and field observations for LMW-1, LMW-2, and LMW-5 through LMW-7 were previously discussed as part of the AOC-1 assessment in Section 6.7.1 and are excluded from discussion below. The remaining groundwater analytical results (LMW-3, LMW-4, LMW-8, and LMW-9 from September 2020 and February 2021) for AOC-3 and the Site-Wide Assessment are summarized as follows:

- The VOC MTBE was detected above the SGVs in LMW-3 and LMW-9 located in the central and west-central portions of the Site, respectively. No other VOCs were detected above the SGVs.
- The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above the SGVs in LMW-4 and LMW-8 during the September 2020 sampling event.

- PAHs including total benzo(a)anthracene, total benzo(a)pyrene, total benzo(b)fluoranthene, and total chrysene were detected above the SGVs in LMW-8 during the February 2021 sampling event. Dissolved benzo(a)anthracene and dissolved benzo(b)fluoranthene were detected above the SGVs in LMW-9 during the February 2021 sampling event.
- Metals including total iron, total and dissolved manganese, and total and dissolved sodium were detected above the SGVs in all four samples. Total and dissolved antimony in LMW-4, dissolved iron in LMW-3 and LMW-9, total lead in LMW-4 and LMW-8, total and dissolved magnesium in LMW-4 and LMW-8, and total mercury in LMW-4 and LMW-8 were also detected above the SGVs.
- Pesticides, herbicides, and PCBs were not detected above the SGVs in any groundwater samples collected.
- PFAS compounds were detected in all groundwater samples collected. PFOA was detected above the guidance screening value of 10 ng/L in LMW-3, LMW-4, and LMW-8.

Soil Vapor

Soil vapor points LSV-5 through LSV-18 were installed as part of the site-wide soil vapor assessment. Analytical results for samples also collected to characterize AOC-1 (LSV-10 through LSV-12 and LSV-17) and AOC-2 (LSV-11 through LSV-13 and LSV-17 through LSV-18) are addressed in Sections 6.7.1 and 6.7.2, respectively, and are excluded from discussion below. A summary of the remaining soil vapor analytical results (LSV-5 through LSV-9, LSV-14 through LSV-16) are summarized as follows:

- NYSDOH Soil Vapor Intrusion Matrix compounds were not identified above the monitoring and/or mitigation thresholds in samples collected on the Site.
- Petroleum-related VOCs including 1,2,4-trimethylbenzene in LSV-9 and LSV-16, benzene in LSV-9, and toluene and MTBE in LSV-6 were detected.

AOC-3 and Site-Wide Assessment Conclusions

Field observations of petroleum impacts including elevated PID readings, odors, sheen, and/or NAPL were observed in fill in soil borings located within AOC-1 and are likely associated with historical site use as a potential automotive repair facility with fuel storage and the former boiler room associated with the historical steam laundry facility. The VOC acetone, a common laboratory artifact, was detected in soil above regulatory criteria although it is not attributed to historical site uses. Elevated concentrations of PAHs, metals, pesticides, and PCBs in fill material are attributable to fill material of unknown origin. The presence of total PAHs and metals (lead and mercury) in groundwater are attributed to sediment entrainment of fill material of unknown origin in the sample and are not indicative of any discrete releases to the subsurface. As dissolved concentrations of lead, mercury, and PAHs were not detected in groundwater above the SGVs or were only detected in limited wells, the total concentrations are attributed to turbidity during sample collection. PAHs in soil are not considered to be an ongoing source of groundwater contamination. Other metals detected in groundwater above the SGVs (total and/or dissolved iron, manganese, magnesium and sodium) are attributed to naturally occurring background concentrations.

Petroleum-related VOCs including BTEX, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and MTVE were detected on Site. As detailed in Section 2.3.2.2, CVOCs were not detected in exceedance of the NYSDOH Soil Vapor Intrusion Matrix monitoring and/or mitigation threshold value during the 2020 RI, although PCE was detected in exceedance of the threshold during the 2019 Phase II EI (LSV-1 through LSV-4). PCE was not detected in exceedance of NYSDEC SCOs or SGVs in soil or groundwater samples collected during the 2019 and 2020 investigations. As such, the presence of PCE in soil vapor is attributed to an unknown off-Site source.

7.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

Human health exposure risk was evaluated for both current and future Site and off-Site conditions, in accordance with the May 2010 NYSDEC Final DER-10 Technical Guidance for Site Investigation and Remediation. The assessment includes an evaluation of potential sources and migration pathways of Site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

In addition to the human health exposure assessment, NYSDEC DER-10 requires an on-Site and off-Site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. Based on the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, completion of an FWRIA was not required for the Site.

7.1 Current Conditions

The Site is located in the Harlem neighborhood of Manhattan, New York and is identified as Lot 48. The Site is an approximately 39,950-square foot parcel and is bound to the north by West 155th Street and the elevated 155th Street Viaduct associated with the Macomb's Dam Bridge followed by Holcombe Rucker Park; an asphalt-paved parking lot to the east; two single-story commercial/industrial buildings including a Toyota Automotive Repair facility and Ferguson Plumbing Supply store, two four-story mixed-use residential/commercial buildings, and two four- to six-story residential buildings to the south; and by Frederick Douglass Boulevard followed by a two-story mixed-use residential/commercial building to the west. The Site was vacated in November 2020, but was most recently used as an at-grade asphalt paved parking lot.

7.2 Proposed Conditions

The Site is proposed to be developed with a 3-story commercial self-storage building with a cellar level. The cellar and first floor will occupy approximately 31,930-square-feet and approximately 25,795-square-feet, respectively, of the approximate 39,950-square-foot property. The northwestern portion of the site will be used as a paved driveway / parking area with the proposed building constructed overhead. Excavation for the construction of the cellar slab is anticipated to be completed to el 6.5 feet NAVD88.

7.3 Summary of Environmental Conditions

Petroleum impacts as evidenced by elevated PID readings, odors, sheen, and/or NAPL were detected within the historic fill and are attributed to former Site use. SVOCs, metals, pesticides, and PCBs were detected at concentrations above the NYSDEC Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs in soil samples collected from historic fill. The compound distribution and contaminant concentrations detected are typical of fill material in New York City.

VOCs, SVOCs, and metals were detected in groundwater at concentrations above the NYSDEC SGVs. Exceedances of VOCs are attributed to historical Site use. Exceedances of SVOCs are attributable to historic fill conditions. Detections of metals are likely attributable to naturally occurring background concentrations with the exception of lead, antimony, and mercury which are attributed to historic fill conditions. Soil vapor sample analytical results revealed CVOCs at concentrations above the NYSDOH guidance levels which would trigger monitoring or mitigation if detected as part of a soil vapor intrusion evaluation; in addition, petroleum-related VOCs were detected for which there are no NYSDOH guidance values. CVOCs were not detected in exceedance of NYSDEC SCOs or SGVs in any soil or groundwater samples collected during the 2019 and 2020 investigations. As such, PCE in soil vapor is likely attributed to an unknown off-Site source.

7.4 Conceptual Site Model

A conceptual site model (CSM) was developed based on the findings of the RI and previous investigations to produce a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways.

7.4.1 Potential Sources of Contamination

Potential sources of contamination have been identified and include past uses of the Site and contaminated historic fill material. Historical on-Site use such as a steam laundry building with an associated boiler room and potential automotive repair and fuel storage are potential sources of VOCs in groundwater and soil vapor. The Site-wide presence of historic fill as a result of filling associated with the Harlem River extents which historically included into the Site and has been established as a

source of SVOCs and metals in soil and groundwater, and pesticides and PCBs in soil. Detection of CVOCs, specifically PCE, in soil vapor throughout the site during the 2019 Phase II EI are likely attributed to an unknown offsite source. Detections of metals in groundwater are likely attributable to naturally occurring background concentrations.

7.4.2 Exposure Media

Impacted media include soil, groundwater, and soil vapor. Analytical data indicates that historic fill material contains SVOCs, pesticides, PCBs and metals at concentrations greater than the Unrestricted Use SCOs, Commercial RUSCOs, and/or the Protection of Groundwater SCOs. Groundwater contains VOCs, SVOCs, and metals above the SGVs. Soil vapor at the Site is impacted with petroleum-related VOCs (BTEX and other compounds) and PCE which were detected at concentrations above the NYSDOH guidance levels which would trigger monitoring or mitigation if detected as part of a soil vapor intrusion evaluation.

7.4.3 Receptor Populations

The Site is currently vacant and consists of an asphalt paved lot. The Site is enclosed in fencing and access is restricted to personnel completing site investigations and other authorized guests. During Site development and remediation, human receptors will be limited to construction and remediation workers, authorized guests, design team members visiting the Site, and the public adjacent to the Site. Under future conditions, receptors will include the new building tenants, visitors to the building, and building management/maintenance employees.

7.5 Potential Exposure Pathways – On-Site

7.5.1 Current Conditions

Human exposure to contaminated soil is currently limited to individuals with access to the Site, including project team members, personnel completing site investigations, and other authorized guests. In areas where human exposure to contaminated soil is possible, the potential exposure pathway for dermal absorption, inhalation and ingestion is controlled by limiting Site access and activities to those noted above.

Due to the depth of groundwater, and the fact that groundwater in New York City is not used as a potable water source, there is no complete exposure pathway to groundwater under current Site conditions. However, there is a potential exposure pathway through dermal absorption, inhalation, and ingestion during investigative groundwater sampling, but it is controlled through the implementation of the HASP during sampling.

Because the Site consists of asphalt cover, there are minimal current on-Site exposure pathways for soil vapor intrusion. Impacted soil vapor may migrate vertically through the subsurface and dissipate and dilute with ambient air; as such, there is no potential exposure pathway under current conditions. Any remaining potential exposure pathways through dermal absorption and inhalation is controlled through the implementation of a HASP during ground-intrusive work.

7.5.2 Construction/Remediation Conditions

Construction and remediation may result in potential exposures to Site contaminants in the absence of a Health and Safety Plan (HASP) and a Community Air Monitoring Plan (CAMP). Construction and remedial activities will likely include excavation, off-Site disposal of impacted soil, dewatering, and construction of foundation components. In the absence of a HASP and CAMP, this scenario presents the potential for exposure of soil, groundwater, and soil vapor contaminants to construction and remediation workers via dermal absorption, ingestion, and inhalation of vapors and particulate matter. This exposure pathway will be mitigated through the implementation of the HASP, CAMP, and vapor and dust suppression techniques.

7.5.3 Proposed Future Conditions

Currently, the contemplated project includes industrial commercial self-storage building with parking. The proposed building will have a full cellar occupying approximately 85% of the Site footprint.

A soil vapor intrusion evaluation was completed. Based on the soil vapor sample analytical results, CVOCs have been detected at concentrations that require monitoring and/or mitigation according to NYSDOH Soil Vapor Intrusion Matrices A and B. Petroleum compounds were also

detected in soil vapor; however, there are no SCGs currently in-place for VOCs in soil vapor. New development will incorporate a cover system across the Site and the potential pathway for soil vapor intrusion into the buildings will be minimized for occupied portions of the building by vapor mitigation measures such as a vapor barrier and sub-slab depressurization system, which may be proposed as part of the remedy.

Construction of a building slab and installation of a vapor mitigation system will prevent human exposure to impacted soil and groundwater and potential soil vapor intrusion.

There is no pathway for ingesting groundwater contaminants, as the Site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater.

Based on results of the previous investigations and this RI and the proposed development plan which includes excavation to a depth between approximately 5 to 10 feet bgs (corresponding to el +6.5 feet NAVD88) across approximately 85% of the Site, it is anticipated that a Track 4 cleanup will be achieved; institutional controls and/or engineering controls will be included in the remedy to reach Track 4 cleanup and to prevent exposure to any remaining residual contamination.

7.6 Potential Exposure Pathways – Off-Site

Soil vapor may migrate off-Site vertically through the subsurface and dissipate and dilute with ambient air in instances where the Site surface is compromised or during Site construction/remediation.

The potential off-Site migration of Site soil contaminants is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- The Site is located in an urban area and predominantly covered with continuous relatively impervious surface covering (i.e., building foundations and concrete paving).
- During Site redevelopment remediation and construction, the following protective measures will be implemented:

- A Site-specific HASP including a CAMP will be implemented to protect on-Site personnel and to monitor the perimeter of the site to mitigate off-Site migration of particulates and VOCs during construction.
- Air monitoring will be conducted for particulates (i.e., dust) and VOCs during intrusive activities as part of a CAMP. Dust and/or vapor suppression techniques will be employed to limit potential for off-Site migration of soil and vapors.
- Vehicle tires and undercarriages will be washed as necessary prior to leaving the Site to prevent tracking material off-Site.
- A soil erosion/sediment control plan will be implemented during construction to control off-Site migration of soil.

7.7 Evaluation of Human Health Exposure

Based upon the CSM and the review of environmental data, partial on-Site exposure pathways appear to be present under current conditions, and in the absence of institutional and engineering controls, complete on-Site exposure pathways could potentially exist in construction/remediation and future conditions.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population.

7.7.1 Current Conditions

Contaminant sources include contaminated historic fill with elevated levels of SVOCs, metals, pesticides, and PCBs; groundwater with elevated levels of VOCs, SVOCs, and metals; and, soil vapor with elevated levels of VOCs.

Contaminant release and transport mechanisms include contaminated soil transported as dust (dermal, ingestion, inhalation) and existing soil vapor contaminants (inhalation). Under current conditions, the likelihood of human exposure is limited, as 1) site access is restricted to project team members and authorized personnel; 2) impermeable asphalt surfaces cover the site; 3) the site is an open-air vacant lot and impacted

soil vapor that migrates vertically would be diluted with ambient air; and, 4) the site is not a source of drinking water.

7.7.2 Construction/Remediation Activities

During remedial construction, points of exposure include disturbed and exposed soil during excavation and dust, contaminated groundwater that will be encountered during dewatering, and organic vapors generated during soil excavation and off-Site disposal. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of organic vapors arising from contaminated soil, and inhalation of dust arising from contaminated soil. The receptor population includes construction and remediation workers and, to a lesser extent, the public adjacent to the Site.

The potential for completed exposure pathways is present since all five elements exist; however, the risk will be minimized by limiting Site access and through implementation of appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, cleaning truck undercarriages before they leave the Site to prevent off-Site soil tracking, maintaining Site security, and wearing the appropriate personal protective equipment (PPE).

7.7.3 Proposed Future Conditions

Remedial construction is expected to remove on-Site contaminants located within the proposed basement footprint, as excavation will be performed as part of the site remediation to a depth between approximately 5 to 10 feet bgs (corresponding to el +6.5 feet NAVD88) across approximately 85% of the Site. After construction, residual contaminants will remain on-Site beneath the building slab and the exterior parking area. Contaminant release and transport mechanisms include penetrations through the building and parking area. If protective measures and remediation are not implemented, points of exposure include potential cracks in the proposed building foundation and the parking lot and exposure during any future soil-disturbing activities. Routes of exposure may include inhalation of vapors entering the buildings or dust during any soil-disturbing work. The receptor population includes the building tenants, visitors to the building, and building

management/maintenance employees. The possible routes of exposure can be avoided or mitigated by proper installation of soil vapor mitigation measures, construction and maintenance of a composite cover system (i.e., concrete or at least one foot of clean soil), and implementation of a Site Management Plan.

7.7.4 Human Health Exposure Assessment Conclusions

1. Under current conditions, there is a marginal risk for exposure. The primary exposure pathways are for dermal contact, ingestion and inhalation of soil or soil vapor by authorized site personnel in instances where the integrity of the impermeable site cover is compromised or during site investigation. Exposure to groundwater is limited to those completing investigation activities. The exposure risks can be avoided or minimized by limiting Site access and implementing the appropriate health and safety and vapor and dust suppression measures outlined in a Site-specific HASP and CAMP during ground-intrusive activities.
2. In the absence of protective measures, there is a moderate risk of exposure during the construction and remediation activities. The primary exposure pathways are:
 - a. Dermal contact, ingestion and inhalation of contaminated soil, groundwater, or soil vapor by Site visitors and construction and remediation workers.
 - b. Dermal contact, ingestion and inhalation of soil (dust) and inhalation of soil vapor by the community in the vicinity of the Site.

These exposure pathways can be avoided or minimized by performing community air monitoring and by following the appropriate health and safety plans, implementing vapor and dust suppression techniques, and using Site security to control access.

3. A complete exposure pathway is possible for the migration of Site contaminants to off-Site human receptors during the remedial construction phase. During this phase, Site access will be limited to authorized personnel and workers and protective measures will be used during construction to prevent completion of this pathway,

including following a Site-specific HASP and implementation of a CAMP.

4. The existence of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is unlikely, as on-Site sources of contamination will be excavated and transported for off-Site disposal across approximately 85% of the Site footprint, in addition to construction of a composite cover (i.e., concrete building slab paved parking area). Regional groundwater is not used as a potable water source in this part of New York City. The potential pathway for soil vapor intrusion into the buildings will be minimized for occupied portions of the building basement by a vapor barrier.

8.0 NATURE AND EXTENT OF CONTAMINATION

This section evaluates the nature and extent of soil, groundwater and soil vapor contamination. The nature and extent of the contamination is derived from a combination of field observations, historical analytical data from the 2019 Phase II EI discussed in Section 4.0, and analytical data from the 2020 RI that was discussed in Section 6.6.

8.1 Petroleum Impacted Soil and Groundwater

Petroleum impacts are present in soil and on groundwater in an approximately 9,700 SF area in the central-eastern portion of the Site within the eastern most portion of former Lot 61 and a majority of former Lot 48. Lot 48 was historically approved for automotive repair and associated fuel storage, and in the vicinity of the boiler room associated with the former steam laundry facility. The petroleum impacted area is identified as AOC-1 and as associated with NYSDEC Spill No. 1902392.

Evidence of petroleum impacts were encountered in soil at 10 of 42 soil boring locations and within one monitoring well drilled as evidenced by the presence of sheen, odor, LNAPL and elevated PID readings. During the 2019 Phase II EI and 2020 RI, monitoring wells were installed in three soil borings in which petroleum impacts were present; these wells were gauged to evaluate for the presence of NAPL during the 2020 RI which revealed the presence of LNAPL in two monitoring wells (LMW-2 and LMW-5). Product present in the wells was determined to be too viscous to obtain thickness measurements.

The horizontal extents of petroleum impacts were defined to the east (LSB-48, LSB-52, and LSB-54) and to the west (LSB-45 and LSB-46) during the RI; the extent of petroleum impacts to the north and south are defined by the Site boundary. The lack of NAPL in LSB-55 and LSB-56 confirms that these impacts do not extend beyond the eastern property boundary. Vertically, petroleum impacts were identified between 4 and 12 feet bgs in AOC-1.

Samples for fingerprint analysis were collected from the soil in which the presence of product was observed during the 2019 Phase II EI and from monitoring wells LMW-2 and LMW-5 during the 2020 RI. Laboratory analysis determined the 2019 sample to be a combination of material similar to Diesel Fuel/Fuel Oil #2 and material which is similar to a hydraulic, lubricating, motor, or waste oil type product; product in both samples collected during the 2020 RI was determined to be similar to Fuel Oil No. 6. As such, a mixture of petroleum products from historical operations including potential automotive repair and fuel storage and the former boiler room of the historical laundry facility may be present.

A total of 10 soil samples were collected for laboratory analysis from soil borings in which NAPL was observed during the 2019 Phase II EI and 2020 RI. Of these, no gasoline-related VOCs at concentrations exceeding the Unrestricted Use SCOs were identified and only five samples revealed concentrations of PAHs at concentration exceeding the Unrestricted Use SCOs, Protection of Groundwater SCOs, and/or Commercial RUSCOs. Two monitoring wells were installed in soil borings where NAPL was observed. One of these wells was sampled for groundwater during the 2019 Phase II EI. Although PAHs were detected above NYSDEC SGVs, gasoline-related VOCs were not detected above NYSDEC SGVs at these locations; however, MTBE was detected in upgradient well locations. Analytical results for samples collected from within the NAPL-impacted area of the Site reveal that the presence of NAPL has not resulted in greater impacts to soil and groundwater than those identified throughout the remainder of the Site where only historic fill was encountered.

As discussed in Section 4.7, an IRM will be implemented at the Site which will include excavation and disposal of historic fill to between 3 and 5 feet bgs. Implementation of the IRM will support the execution of the future remedy through the excavation and removal of shallow hotspots containing elevated

concentrations of lead and initiation of SOE installation. SOE installation is necessary for the future excavation and removal of deep hotspots impacted with elevated concentrations of metals and PAH hotspots to 15 feet bgs. SOE installation also is necessary for the future excavation and removal of petroleum impacts for the remediation of Spill No. 1902392 up to 15 feet bgs. The disturbance of petroleum-impacted soil is not proposed in the IRMWP and all petroleum impacts between 4 and 15 feet bgs as presented in Figures 2A, 2B, and 11 will remain in place to be addressed via the forthcoming Remedial Action Work Plan.

8.2 Soil Contamination – Historic Fill

During environmental and geotechnical investigations completed by Langan in 2019 and 2020, a fill layer consisting of fine to coarse sand with varying proportions of silt and gravel and miscellaneous debris, including brick, wood, asphalt, plastic, and metal extending from surface grade to between 12 and 25 feet bgs was observed. Forty-two fill samples were collected from between 1 and 14 feet bgs during the 2019 and 2020 investigations.

The VOC acetone was detected in exceedance of the Unrestricted Use SCO and Protection of Groundwater SCO. Acetone is a common laboratory artifact and is likely not associated with historical site uses. No other VOCs were detected above the Unrestricted Use SCOs, Commercial RUSCOs, or Protection of Groundwater SCOs in any fill samples collected.

SVOCs commonly associated with the presence of historic fill material including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, were detected from 1 to 14 feet bgs in 26 of 42 fill samples collected for SVOC analysis throughout the Site footprint at concentrations exceeding the Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs. SVOCs 3 and 4 methylphenol, acenaphthene, anthracene, dibenzofuran, fluoranthene, fluorene, naphthalene, phenanthrene, phenol, and pyrene were also detected above the Unrestricted Use SCOs and/or Protection of Groundwater SCOs in select fill samples throughout the site footprint. Fluoranthene and phenanthrene were also detected above Commercial RUSCOs at one location.

Metals including arsenic, barium, cadmium, hexavalent chromium, trivalent chromium, copper, lead, mercury, nickel, selenium, silver, and/or zinc were detected from 1 to 14 feet bgs in 28 of 30 soil samples collected for metals analysis throughout the Site footprint at concentrations exceeding Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs.

Pesticides including 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected from 1 to 14 feet bgs at concentrations exceeding the Unrestricted Use SCOs in 5 of 18 fill samples collected for pesticides analysis. Total PCBs were detected from 2 to 11.5 feet bgs at concentrations exceeding the Unrestricted Use SCOs in 2 of 37 fill samples collected for PCB analysis.

PFAS compounds were detected from 1 to 14 feet bgs in 14 of the 19 soil samples collected for which it was analyzed during the 2020 RI. PFOS was detected in exceedance of the Unrestricted Use SCO and PFOA was detected in exceedance of the Unrestricted Use and Protection of Groundwater SCOs. PFAS was not analyzed for samples collected during the 2019 Phase II EI.

Elevated concentrations of PAHs, metals, pesticides, and PCBs in fill material are attributed to fill material of unknown origin. The presence of PFAS compounds in fill material may be attributable to historical Site operations as a laundry facility or to fill material of unknown origin.

8.3 Groundwater Contamination

Groundwater was encountered between 8.08 and 10.98 feet bgs at depths corresponding to el 4.82 to 6.4 NAVD88 during the RI. Four monitoring wells were sampled during the 2019 Phase II EI and seven monitoring wells were sampled during the 2020 RI; two monitoring wells (LMW-2 and LMW-5) could not be sampled during the 2019 and 2020 investigations due to the presence of LNAPL. Product fingerprint samples were collected from LMW-5 during the 2019 Phase II EI and from both LMW-2 and LMW-5 during the 2020 RI as discussed in Section 8.1.

The VOC MTBE was detected above the SGVs in LMW-3 and LMW-9 located in the western-central portion of the Site and cross-gradient of petroleum impacts in AOC-1. MTBE is a common fuel additive. As such, these detections

are attributed to historical Site use as an automotive repair facility with fuel storage. No other VOCs were detected above the SGVs.

Total SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and/or indeno(1,2,3-cd)pyrene were detected at concentrations exceeding the SGVs in five of eight monitoring wells sampled for groundwater throughout the Site footprint. Dissolved SVOCs including benzo(a)anthracene and benzo(a)pyrene were detected at concentrations exceeding the SGVs in one of seven wells sampled for groundwater throughout the Site footprint. Elevated concentrations of PAHs in groundwater are attributed to sediment entrainment of fill material of unknown origin in the unfiltered samples and are not indicative of any discrete releases to the subsurface. PAHs in soil are not considered to be an ongoing source of groundwater contamination.

Metals including total iron, total and dissolved manganese, and total and dissolved sodium were detected at concentrations exceeding the SGVs in seven of eight monitoring wells samples for groundwater collection throughout the Site footprint. Total lead was detected at three monitoring well locations in exceedance of the SGVs; however, dissolved lead concentrations were detected below the SGVs. Total and dissolved magnesium, dissolved iron, and mercury were detected in exceedance of the SGVs in two monitoring well locations; however, dissolved mercury concentrations were detected below the SGVs. Total and dissolved antimony were detected in exceedance of the SGVs at one monitoring well location. Metals including total and/or dissolved lead, antimony, and mercury in groundwater are attributable to sediment entrainment of fill material of unknown origin in the unfiltered samples. Other metals detected in groundwater above the SGVs (total and/or dissolved iron, manganese, magnesium and sodium) are attributed to naturally occurring background concentrations.

PFAS compounds were detected in all groundwater samples for which it was analyzed during the 2020 RI. PFOS was detected in three monitoring wells and PFOA was detected in four monitoring wells above the guidance value of 10 ng/L. PFAS was not analyzed for samples collected during the 2019 Phase II EI. The presence of PFAS compounds in groundwater may be attributable to historical Site operations as a laundry facility or to fill material of unknown origin.

Groundwater sample analytical results did not identify the presence of pesticides, herbicides, or PCBs at concentrations above the SGVs in any samples for which it was analyzed.

8.4 Soil Vapor Contamination

Four soil vapor samples were collected during the 2019 Phase II EI and 14 soil vapor samples were collected during the 2020 RI. Analytical results revealed the CVOC PCE at concentrations which would be above the monitoring and/or mitigation threshold according to NYSDOH Soil Vapor Intrusion Guidance Matrix B if detected as part of a soil vapor intrusion evaluation at all four samples collected throughout the Site footprint during the 2019 Phase II EI. PCE was not detected above the referenced monitoring and/or mitigation threshold in any of the 14 soil vapor samples collected during the 2020 RI. Soil vapor sample analytical results also identified elevated concentrations of petroleum-related VOCs including BTEX compounds, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and/or MTBE at 10 of 18 sample locations throughout the site footprint.

CVOCs were not detected in exceedance of NYSDEC SCOs or SGVs in any soil or groundwater samples collected during the 2019 and 2020 investigations. As such, PCE in soil vapor is attributed to an off-Site source. Petroleum compounds detected in soil vapor and are attributed to the historical site as an automotive repair facility with fuel storage and/or former boiler room associated with a steam laundry facility.

9.0 CONCLUSIONS

Stratigraphy: A historic fill layer as deep as 25 feet is generally underlain by a clay layer. Bedrock was not encountered in any of the soil borings advanced during the 2019 Phase II EI or this RI.

Hydrogeology: Groundwater was encountered at elevations ranging from el 4.82 to 6.4 NAVD88. Based on area topography, observed water level measurements, and the proximity of the Site to the Harlem River, groundwater is inferred to flow to the southeast towards the Harlem River.

NAPL Impacts: LNAPL impacts in fill associated with historical Site operations including potential automotive repair and fuel storage and the former boiler room of

the historical laundry facility are present across an approximately 9,700 SF area located in the eastern portion of the Site as observed in 8 soil borings and two monitoring wells.

Historic Fill Quality: Up to 25 feet of fill material was identified below surface cover. Contaminants identified within the fill material include SVOCs, metals, pesticides, PCBs, PFOA, and PFOS which were detected at concentrations above Unrestricted Use SCOs, Commercial RUSCOs, and/or Protection of Groundwater SCOs within this layer. Elevated concentrations of PAHs, metals, pesticides, and PCBs in fill material are attributable to fill material of unknown origin.

Groundwater Quality: Elevated concentrations of PAHs and metals (antimony, lead, and mercury) are attributed to sediment entrainment of fill material of unknown origin in the unfiltered samples. Other metals detected in groundwater above the SGVs (total and/or dissolved iron, manganese, magnesium and sodium) are attributed to naturally occurring background concentrations. The presence of PFOA and PFOS in groundwater may be attributable to historical Site operations as a laundry facility or to fill material of unknown origin.

Soil Vapor Quality: Results of the soil vapor evaluation completed as part of the 2019 Phase II EI identified concentrations of PCE that would require monitoring and/or mitigation per the NYSDOH Soil Vapor Intrusion Matrix guidance values. PCE was not detected above the NYSDOH guidance values in soil vapor during the 2020 RI or within soil or groundwater samples collected during both the 2019 and 2020 investigations above corresponding criteria. As such, PCE in soil vapor is likely attributed to an unknown off-Site source. Petroleum compounds including BTEX compounds, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and MTBE were also detected in soil vapor and are attributed to the historical Site operations.

Sufficient analytical data were gathered during the RI and previous studies to establish soil cleanup levels and to develop a remedy for the Site. The final remedy will be detailed in the forthcoming Remedial Action Work Plan (RAWP) to be prepared in accordance with NYS BCP guidelines. The remedy will need to address contaminated historic fill impacted with SVOCs, metals, pesticides, and PCBs; groundwater impacted with VOCs, SVOCs, and metals; and VOC-impacted soil vapor.

TABLES

**Table 1
Remedial Investigation Report
Sample Summary Rationale**

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Matrix | Sample Location | Sample Name | Sample Depth (ft bgs) | Analysis | Material | Rationale | | | | |
|-------------|-----------------|----------------------|-----------------------|--|--|---|------|--|------|--|
| Soil | LSB-36 | 060_LSB-36_1.0-3.0 | 1.0 - 3.0 | VOCs SVOCs PCBs Herbicides Pesticides TAL Metals Hexavalent Chromium Mercury PFAS & 1,4-Dioxane | Fill | Site-Wide Characterization and AOC-3 Investigation | | | | |
| | | 061_LSB-36_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-37 | 050_LSB-37_1.0-3.0 | 1.0 - 3.0 | | | | | | | |
| | | 051_LSB-37_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-38 | 062_LSB-38_2.0-4.0 | 2.0 - 4.0 | | | | | | | |
| | | 063_LSB-38_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-39 | 065_LSB-39_1.0-3.0 | 1.0 - 3.0 | | | | | | | |
| | | 066_LSB-39_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-40 | 053_LSB-40_1.0-3.0 | 1.0 - 3.0 | | | | | | | |
| | | 054_LSB-40_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-41 | 047_LSB-41_4.0-6.0 | 4.0 - 6.0 | | | | | | | |
| | | 048_LSB-41_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-42 | 040_LSB-42_1.5-3.5 | 1.5 - 3.5 | | | | | | | |
| | | 041_LSB-42_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-43 | 037_LSB-43_2.5-4.5 | 2.5 - 4.5 | | | | | | | |
| | | 038_LSB-43_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | LSB-44 | 030_LSB-44_3.0-5.0 | 3.0 - 5.0 | | | | | | | |
| | | 031_LSB-44_12.0-14.0 | 12.0 - 14.0 | | | | | | | |
| | Soil | LSB-40 | 058_LSB-40_6.0-8.0 | | 6.0 - 8.0 | VOCs, SVOCs, PCBs | Fill | AOC-1 Investigation and NAPL Delineation | | |
| | | LSB-41 | 057_LSB-41_7.5-9.5 | | 7.5 - 9.5 | | | | | |
| LSB-42 | | 044_LSB-42_7.5-9.5 | 7.5 - 9.5 | | | | | | | |
| LSB-45 | | 056_LSB-45_7.5-9.5 | 7.5 - 9.5 | | | | | | | |
| LSB-46 | | 055_LSB-46_6.0-8.0 | 6.0 - 8.0 | | | | | | | |
| LSB-47 | | 049_LSB-47_8.5-10.5 | 8.5 - 10.5 | | | | | | | |
| LSB-48 | | 039_LSB-48_8.0-10.0 | 8.0 - 10.0 | | | | | | | |
| LSB-49 | | 033_LSB-49_9.5-11.5 | 9.5 - 11.5 | | | | | | | |
| LSB-50 | | 042_LSB_50_9.5-11.5 | 9.5 - 11.5 | | | | | | | |
| LSB-52 | | 035_LSB-52_9.5-11.5 | 9.5 - 11.5 | | | | | | | |
| LSB-53 | | 043_LSB-53_9.5-11.5 | 9.5 - 11.5 | | | | | | | |
| LSB-54 | | 045_LSB-54_9.5-11.5 | 9.5 - 11.5 | | | | | | | |
| Groundwater | | LMW-1 | | 10 | VOCs SVOCs PCBs Herbicides Pesticides Total and Dissolved TAL Metals Hexavalent Chromium Mercury PFAS & 1,4-Dioxane (2020) Total PAHs Dissolved PAHs (2021)^ | | | | Fill | Site-Wide Characterization, AOC-1 Investigation, AOC-2 Investigation, AOC-3 Investigation, and evaluation of contaminants in soil as a potential source of groundwater impacts |
| | | LMW-2* | | - | | | | | | NAPL Delineation and AOC-1 Investigation |
| | LMW-3 | | 12 | Site-Wide Characterization, AOC-3 Investigation, and evaluation of contaminants in soil as a potential source of groundwater impacts | | | | | | |
| | LMW-4 | | 13 | NAPL Delineation and AOC-1 Investigation | | | | | | |
| | LMW-5* | | - | Side-Wide Characterization, NAPL Delineation, AOC-1 Investigation, AOC-2 Investigation, AOC-3 Investigation, and evaluation of contaminants in soil as a potential source of groundwater impacts | | | | | | |
| | LMW-6 | | 12 | Side-Wide Characterization, AOC-3 Investigation, and evaluation of contaminants in soil as a potential source of groundwater impacts | | | | | | |
| | LMW-7 | | 11 | | | | | | | |
| | LMW-8 | | 13 | | | | | | | |
| | LMW-9 | | 11 | | | | | | | |
| Soil Vapor | LSV-5 | | 3.5 | VOCs | Fill | Site-Wide Characterization and AOC-3 Investigation | | | | |
| | LSV-6 | | 3.5 | | | | | | | |
| | LSV-7 | | 7 | | | | | | | |
| | LSV-8 | | 7 | | | | | | | |
| | LSV-9 | | 3 | | | Site-Wide Characterization, AOC-1 Investigation, and AOC-3 Investigation | | | | |
| | LSV-10 | | 6 | | | | | | | |
| | LSV-11 | | 7.5 | | | Site-Wide Characterization, AOC-1 Investigation, AOC-2 Investigation, and AOC-3 Investigation | | | | |
| | LSV-12 | | 8 | | | Site-Wide Characterization, AOC-2 Investigation, and AOC-3 Investigation | | | | |
| | LSV-13 | | 3 | | | | | | | |
| | LSV-14 | | 4 | | | Site-Wide Characterization, Investigation of Adjacent Property Impacts, AOC-2 Investigation, and AOC-3 Investigation | | | | |
| | LSV-15 | | 3 | | | | | | | |
| | LSV-16 | | 3.5 | | | Site-Wide Characterization, Investigation of Adjacent Property Impacts, AOC-1 Investigation, AOC-2 Investigation, and AOC-3 Investigation | | | | |
| | LSV-17 | | 7.5 | | | | | | | |
| | LSV-18 | | 4 | | | Site-Wide Characterization, Investigation of Adjacent Property Impacts, AOC-2 Investigation, and AOC-3 Investigation | | | | |

^ Monitoring wells sampled for total and dissolved PAHs only during the February 2021 sampling event for AOC-3 Investigation and evaluation of contaminants in soil as a potential source of groundwater impacts.

* Monitoring wells not sampled due to product in well. Fingerprint samples collected during the 2020 sampling

AOC-1: Petroleum Impacts from Historical Site Operations
AOC-2: Chlorinated VOC Impacts from Historical Site Operations
AOC-3: Historical Filling Associated with the Harlem River

Table 2
Remedial Investigator Report
Phase II Soil Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Commercial SCOs | NYSDEC Part 375 Protection of Groundwater SCOs | LSB-23 001_LSB-23 L1922862-01 5/30/2019 3.5-5.5 | LSB-24 002_LSB-24 L1922862-02 5/30/2019 7.5-9.5 | LSB-24 003_DUP-1 L1922862-03 5/30/2019 7.5-9.5 | LSB-25 004_LSB-25 L1922862-04 5/30/2019 7.5-9.5 | LSB-26 005_LSB-26 L1922862-05 5/30/2019 8.5-10.5 | LSB-27 006_LSB-27 L1922862-06 5/30/2019 6-8 | LSB-28 008_LSB-28 L1923220-01 5/30/2019 6-8 | LSB-29 012_LSB-29 L1923220-05 5/31/2019 3-5 | LSB-30 013_LSB-30 L1923220-06 5/31/2019 6-8 | LSB-31 014_LSB-31 L1923220-07 5/31/2019 7-9 | LSB-32 015_LSB-32 L1923220-08 5/31/2019 10-12 | LSB-33 016_LSB-33 L1923220-09 5/31/2019 5-7 | LSB-34 017_LSB-34 L1923220-10 5/31/2019 6-8 | |
|--|---------------------------------------|--|--|---|---|--|---|--|---|---|---|---|---|---|---|---|-------|
| Pesticides (mg/kg) | | | | | | | | | | | | | | | | | |
| 4,4'-DDD | 0.0033 | 92 | 14 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 4,4'-DDE | 0.0033 | 62 | 17 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 4,4'-DDT | 0.0033 | 47 | 136 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Aldrin | 0.005 | 0.68 | 0.19 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Alpha BHC (Alpha Hexachlorocyclohexane) | 0.02 | 3.4 | 0.02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Alpha Chlordane | 0.094 | 24 | 2.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Alpha Endosulfan | 2.4 | 200 | 102 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 3 | 0.09 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Beta Endosulfan | 2.4 | 200 | 102 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Chlordane (alpha and gamma) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Delta Bhc (Delta Hexachlorocyclohexane) | 0.04 | 500 | 0.25 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Dieldrin | 0.005 | 1.4 | 0.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Endosulfan Sulfate | 2.4 | 200 | 1000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Endrin | 0.014 | 89 | 0.06 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Endrin Aldehyde | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Endrin Ketone | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Gamma Bhc (Lindane) | 0.1 | 9.2 | 0.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Gamma Chlordane | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Heptachlor | 0.042 | 15 | 0.38 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Heptachlor Epoxide | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Methoxychlor | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Toxaphene | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Herbicides (mg/kg) | | | | | | | | | | | | | | | | | |
| 2,4,5-T (Trichlorophenoxyacetic Acid) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 2,4-D (Dichlorophenoxyacetic Acid) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Silvex (2,4,5-Tp) | 3.8 | 500 | 3.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Polychlorinated Biphenyls (mg/kg) | | | | | | | | | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1221 (Aroclor 1221) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1232 (Aroclor 1232) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1242 (Aroclor 1242) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1248 (Aroclor 1248) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1254 (Aroclor 1254) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1260 (Aroclor 1260) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1262 (Aroclor 1262) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| PCB-1268 (Aroclor 1268) | ~ | ~ | ~ | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| Total PCBs | 0.1 | 1 | 3.2 | NA | 0.0411 | UJ | NA | NA | NA | 0.806 | U | 0.0413 | U | 0.0364 | U | 0.0425 | U |
| Inorganics (mg/kg) | | | | | | | | | | | | | | | | | |
| Aluminum | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Antimony | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | 13 | 16 | 16 | 8.49 | 2.03 | 1.61 | 3.46 | 0.462 | U | 2.95 | 18.7 | 9.98 | 5.04 | 9.62 | 7.13 | 14.4 | 3.62 |
| Barium | 350 | 400 | 820 | 135 | 150 | 111 | 136 | 75.4 | 104 | 222 | 60.8 | 116 | 142 | 153 | 113 | 113 | 113 |
| Beryllium | 7.2 | 590 | 47 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | 2.5 | 9.3 | 7.5 | 1.27 | 0.669 | 0.679 | 1.39 | 0.837 | 0.304 | J | 5.6 | 1.06 | 0.432 | U | 0.523 | U | 0.491 |
| Calcium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 400 | 19 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium, Total | 30 | 1,500 | ~ | 14.1 | 34.1 | 32.2 | 12.3 | 16.5 | 9.04 | 12.2 | 11.1 | 13.5 | J | 11.3 | J | 39.6 | J |
| Chromium, Trivalent | 30 | 1,500 | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | 50 | 270 | 1,720 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Iron | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 63 | 1,000 | 450 | 291 | 477 | 421 | 395 | 15.5 | 136 | 648 | 650 | 158 | 153 | 175 | 225 | 225 | 225 |
| Magnesium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese | 1,600 | 10,000 | 2,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | 0.18 | 2.8 | 0.73 | 0.881 | 1.39 | J | 0.083 | J | 0.324 | 0.096 | U | 11.6 | 0.188 | 2.5 | 0.319 | 0.106 | 0.709 |
| Nickel | 30 | 310 | 130 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Potassium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 1,500 | 4 | 1.69 | 0.697 | J | 0.944 | J | 2.91 | 0.402 | J | 0.664 | J | 31.7 | 3.29 | 0.125 | J |
| Silver | 2 | 1,500 | 8.3 | 0.272 | J | 0.19 | J | 0.148 | J | 0.143 | J | 0.462 | J | 0.177 | J | 0.283 | J |
| Sodium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | 109 | 10,000 | 2,480 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| General Chemistry (%) | | | | | | | | | | | | | | | | | |
| Total Solids | ~ | ~ | ~ | 83.4 | 79.5 | 79.4 | 80.5 | 83.8 | 83.4 | 81.9 | 78 | 90.3 | 76.2 | 76.7 | 79.1 | 79.8 | |

Notes provided on Page 4.

Concentrations above Unrestricted Use SCOs are bolded.

Concentrations above Restricted Use Commercial SCOs are shaded.

Concentrations above Protection of Groundwater SCOs are underlined.

Table 2
Remedial Investigaton Report
Phase II Soil Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Commercial and Protection of Groundwater Soil Cleanup Objectives (SCO).
2. Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and
3. Criterion comparisons for total chromium are provided for reference for the 2019 data. Promulgated SCOs shown are for trivalent chromium.
4. Detected analytical results above Unrestricted Use SCOs are bolded.
5. Detected analytical results above Restricted Use Commercial SCOs are shaded.
6. Detected analytical results above Protection of Groundwater SCOs are underlined.
7. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
8. Sample 003_DUP-1 is a duplicate sample of 002_LSB-24
9. ~ = Regulatory limit for this analyte does not exist
10. bgs = below grade surface
11. mg/kg = milligrams per kilogram
12. % = percent
13. NA = Not analyzed

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 3
Remedial Investigation Report
Phase II Groundwater Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location Sample ID Laboratory ID Sample Date | NYSDEC SGVs | LMW-1 019_LMW-1 L1923415-02 6/3/2019 | LMW-2 018_LMW-2 L1923415-01 6/3/2019 | LMW-3 020_LMW-3 L1923415-03 6/3/2019 | LMW-4 021_LMW-4 L1923415-04 6/3/2019 | LMW-4 023_DUP-2 L1923415-05 6/3/2019 |
|---|----------------|---|---|---|---|---|
| Volatile Organic Compounds (µg/L) | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,1-Trichloroethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U |
| 1,1-Dichloroethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | 2 U | 1.6 J | 2 U | 2 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichlorobenzene | 3 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | ~ | 250 UJ | 250 UJ | 250 UJ | 250 UJ | 250 UJ |
| 2,2-Dichloropropane | 5 | 2.5 UJ | 2.5 UJ | 2.5 UJ | 2.5 UJ | 2.5 UJ |
| 2-Chlorotoluene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 2-Hexanone | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| 4-Chlorotoluene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 4-Ethyltoluene | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| Acetone | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Acrylonitrile | 5 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Benzene | 1 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromochloromethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromodichloromethane | 50 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromoform | 50 | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bromomethane | 5 | 2.5 UJ | 2.5 UJ | 2.5 UJ | 2.5 UJ | 2.5 UJ |
| Carbon Disulfide | 60 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | 5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroform | 7 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cis-1,2-Dichloroethene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cis-1,3-Dichloropropene | 0.4 | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ |
| Cymene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Dibromochloromethane | 50 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Dibromomethane | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichlorodifluoromethane | 5 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Diethyl Ether (Ethyl Ether) | ~ | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Ethylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| M,P-Xylene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methyl Ethyl Ketone (2-Butanone) | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | ~ | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Methylene Chloride | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| n-Butylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| n-Propylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| o-Xylene (1,2-Dimethylbenzene) | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| T-Butylbenzene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | 1.2 J | 2.9 U | 17 | 2.5 U | 2.5 U |
| Tetrachloroethene (PCE) | 5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Toluene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Total 1,2-Dichloroethene (Cis and Trans) | ~ | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Total Xylenes | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | 0.4 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trichloroethene (TCE) | 5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Vinyl Acetate | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | 2 | 1 U | 1 U | 1 U | 1 U | 1 U |

Table 3
Remedial Investigation Report
Phase II Groundwater Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | NYSDEC | LMW-1 | LMW-2 | LMW-3 | LMW-4 | LMW-4 |
|--|--------|-------------|-------------|-------------|-------------|-------------|
| Sample ID | SGVs | 019_LMW-1 | 018_LMW-2 | 020_LMW-3 | 021_LMW-4 | 023_DUP-2 |
| Laboratory ID | | L1923415-02 | L1923415-01 | L1923415-03 | L1923415-04 | L1923415-05 |
| Sample Date | | 6/3/2019 | 6/3/2019 | 6/3/2019 | 6/3/2019 | 6/3/2019 |
| Semivolatile Organic Compounds (µg/L) | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | 5 | 10 U | 10 U | 10 U | 10 U | 10 U |
| 1,2,4-Trichlorobenzene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | 3 | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,3-Dichlorobenzene | 3 | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,4-Dichlorobenzene | 3 | 2 U | 2 U | 2 U | 2 U | 2 U |
| 2,4,5-Trichlorophenol | ~ | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| 2,4,6-Trichlorophenol | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2,4-Dichlorophenol | 1 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2,4-Dimethylphenol | 1 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| 2,4-Dinitrophenol | 1 | 20 U | 20 U | 20 U | 20 U | 20 U |
| 2,4-Dinitrotoluene | 5 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| 2,6-Dinitrotoluene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Chloronaphthalene | 10 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| 2-Chlorophenol | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| 2-Methylnaphthalene | ~ | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 2-Methylphenol (o-Cresol) | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Nitroaniline | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Nitrophenol | ~ | 10 U | 10 U | 10 U | 10 U | 10 U |
| 3 & 4 Methylphenol (m&p Cresol) | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| 3,3'-Dichlorobenzidine | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 3-Nitroaniline | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4,6-Dinitro-2-Methylphenol | ~ | 10 U | 10 U | 10 U | 10 U | 10 U |
| 4-Bromophenyl Phenyl Ether | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| 4-Chloro-3-Methylphenol | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| 4-Chloroaniline | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Chlorophenyl Phenyl Ether | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| 4-Nitroaniline | 5 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| 4-Nitrophenol | ~ | 10 U | 10 U | 10 U | 10 U | 10 U |
| Acenaphthene | 20 | 0.1 U | 0.57 J | 0.02 J | 0.04 J | 0.1 U |
| Acenaphthylene | ~ | 0.1 U | 0.07 J | 0.1 U | 0.02 J | 0.03 J |
| Acetophenone | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| Anthracene | 50 | 0.03 J | 0.1 U | 0.02 J | 0.08 J | 0.1 U |
| Benzo(a)anthracene | 0.002 | 0.02 J | 0.06 J | 0.04 J | 0.09 J | 0.1 J |
| Benzo(a)pyrene | 0 | 0.03 J | 0.05 J | 0.03 J | 0.09 J | 0.12 J |
| Benzo(b)fluoranthene | 0.002 | 0.1 U | 0.07 J | 0.1 U | 0.11 U | 0.14 J |
| Benzo(g,h,i)Perylene | ~ | 0.03 J | 0.03 J | 0.03 J | 0.07 J | 0.1 J |
| Benzo(k)fluoranthene | 0.002 | 0.1 U | 0.02 J | 0.1 U | 0.1 U | 0.05 J |
| Benzoic Acid | ~ | 50 U | 50 U | 50 U | 50 U | 50 U |
| Benzyl Alcohol | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| Benzyl Butyl Phthalate | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Biphenyl (Diphenyl) | 5 | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bis(2-chloroethoxy) methane | 5 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bis(2-chloroethyl) ether (2-chloroethyl ether) | 1 | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bis(2-chloroisopropyl) ether | 5 | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bis(2-ethylhexyl) phthalate | 5 | 3 UJ | 3 UJ | 3 UJ | 3 UJ | 3.3 J |
| Carbazole | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| Chrysene | 0.002 | 0.1 U | 0.07 J | 0.1 U | 0.1 U | 0.09 J |
| Dibenz(a,h)anthracene | ~ | 0.02 J | 0.1 U | 0.1 U | 0.02 J | 0.02 J |
| Dibenzofuran | ~ | 2 U | 2 U | 2 U | 2 U | 2 U |
| Dibutyl phthalate | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Diethyl phthalate | 50 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dimethyl phthalate | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Diocetyl phthalate | 50 | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Fluoranthene | 50 | 0.04 J | 0.11 U | 0.08 J | 0.22 J | 0.2 U |
| Fluorene | 50 | 0.1 U | 0.46 U | 0.1 U | 0.1 U | 0.1 U |
| Hexachlorobenzene | 0.04 | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U |
| Hexachlorobutadiene | 0.5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Hexachlorocyclopentadiene | 5 | 20 U | 20 U | 20 U | 20 U | 20 U |
| Hexachloroethane | 5 | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U |
| Indeno(1,2,3-cd)pyrene | 0.002 | 0.03 J | 0.03 J | 0.03 J | 0.08 J | 0.11 J |
| Isophorone | 50 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | 10 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| Nitrobenzene | 0.4 | 2 U | 2 U | 2 U | 2 U | 2 U |
| n-Nitrosodi-N-Propylamine | ~ | 5 U | 5 U | 5 U | 5 U | 5 U |
| n-Nitrosodiphenylamine | 50 | 2 U | 2 U | 2 U | 2 U | 2 U |
| Pentachlorophenol | 1 | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ |
| Phenanthrene | 50 | 0.1 U | 0.1 U | 0.1 U | 0.24 U | 0.1 U |
| Phenol | 1 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Pyrene | 50 | 0.04 J | 0.19 U | 0.1 J | 0.19 U | 0.12 U |

Table 3
Remedial Investigation Report
Phase II Groundwater Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location Sample ID Laboratory ID Sample Date | NYSDEC SGVs | LMW-1 019_LMW-1 L1923415-02 6/3/2019 | LMW-2 018_LMW-2 L1923415-01 6/3/2019 | LMW-3 020_LMW-3 L1923415-03 6/3/2019 | LMW-4 021_LMW-4 L1923415-04 6/3/2019 | LMW-4 023_DUP-2 L1923415-05 6/3/2019 |
|---|----------------|---|---|---|---|---|
| Pesticides (µg/L) | | | | | | |
| 4,4'-DDD | 0.3 | NA | NA | NA | NA | NA |
| 4,4'-DDE | 0.2 | NA | NA | NA | NA | NA |
| 4,4'-DDT | 0.2 | NA | NA | NA | NA | NA |
| Aldrin | 0 | NA | NA | NA | NA | NA |
| Alpha BHC (Alpha Hexachlorocyclohexane) | 0.01 | NA | NA | NA | NA | NA |
| Alpha Chlordane | ~ | NA | NA | NA | NA | NA |
| Alpha Endosulfan | ~ | NA | NA | NA | NA | NA |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.04 | NA | NA | NA | NA | NA |
| Beta Endosulfan | ~ | NA | NA | NA | NA | NA |
| Chlordane (alpha and gamma) | 0.05 | NA | NA | NA | NA | NA |
| Delta Bhc (Delta Hexachlorocyclohexane) | 0.04 | NA | NA | NA | NA | NA |
| Dieldrin | 0.004 | NA | NA | NA | NA | NA |
| Endosulfan Sulfate | ~ | NA | NA | NA | NA | NA |
| Endrin | 0 | NA | NA | NA | NA | NA |
| Endrin Aldehyde | 5 | NA | NA | NA | NA | NA |
| Endrin Ketone | 5 | NA | NA | NA | NA | NA |
| Gamma Bhc (Lindane) | 0.05 | NA | NA | NA | NA | NA |
| Gamma Chlordane | ~ | NA | NA | NA | NA | NA |
| Heptachlor | 0.04 | NA | NA | NA | NA | NA |
| Heptachlor Epoxide | 0.03 | NA | NA | NA | NA | NA |
| Methoxychlor | 35 | NA | NA | NA | NA | NA |
| Toxaphene | 0.06 | NA | NA | NA | NA | NA |
| Herbicides (µg/L) | | | | | | |
| 2,4,5-T (Trichlorophenoxyacetic Acid) | 35 | NA | NA | NA | NA | NA |
| 2,4-D (Dichlorophenoxyacetic Acid) | 50 | NA | NA | NA | NA | NA |
| Silvex (2,4,5-Tp) | 0.26 | NA | NA | NA | NA | NA |
| Polychlorinated Biphenyls (µg/L) | | | | | | |
| PCB-1016 (Aroclor 1016) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1221 (Aroclor 1221) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1232 (Aroclor 1232) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1242 (Aroclor 1242) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1248 (Aroclor 1248) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1254 (Aroclor 1254) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1260 (Aroclor 1260) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1262 (Aroclor 1262) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| PCB-1268 (Aroclor 1268) | ~ | NA | 0.083 U | 0.083 U | NA | NA |
| Total PCBs | 0.09 | NA | 0.083 U | 0.083 U | NA | NA |
| Inorganics (µg/L) | | | | | | |
| Aluminum | ~ | NA | NA | NA | NA | NA |
| Aluminum (Dissolved) | ~ | NA | NA | NA | NA | NA |
| Antimony | 3 | NA | NA | NA | NA | NA |
| Antimony (Dissolved) | 3 | NA | NA | NA | NA | NA |
| Arsenic | 25 | 0.57 | 2.07 | 1.64 | 0.84 | 0.83 |
| Arsenic (Dissolved) | 25 | NA | NA | NA | NA | NA |
| Barium | 1,000 | 333.6 | 302.8 | 154.7 | 87.24 | 79.73 |
| Barium (Dissolved) | 1,000 | NA | NA | NA | NA | NA |
| Beryllium | 3 | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | 3 | NA | NA | NA | NA | NA |
| Cadmium | 5 | 0.2 U | 0.2 U | 0.2 U | 0.53 | 0.51 |
| Cadmium (Dissolved) | 5 | NA | NA | NA | NA | NA |
| Calcium | ~ | NA | NA | NA | NA | NA |
| Calcium (Dissolved) | ~ | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 50 | NA | NA | NA | NA | NA |
| Chromium, Total | 50 | 1 U | 2.32 U | 1 U | 1.05 U | 1 U |
| Chromium, Total (Dissolved) | 50 | NA | NA | NA | NA | NA |
| Chromium, Trivalent | ~ | NA | NA | NA | NA | NA |
| Cobalt | ~ | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | ~ | NA | NA | NA | NA | NA |
| Copper | 200 | NA | NA | NA | NA | NA |
| Copper (Dissolved) | 200 | NA | NA | NA | NA | NA |
| Iron | 300 | NA | NA | NA | NA | NA |
| Iron (Dissolved) | 300 | NA | NA | NA | NA | NA |
| Lead | 25 | 5.6 | 27.93 | 3.19 | 5.62 J | 4.2 J |
| Lead (Dissolved) | 25 | NA | NA | NA | NA | NA |
| Magnesium | 35,000 | NA | NA | NA | NA | NA |
| Magnesium (Dissolved) | 35,000 | NA | NA | NA | NA | NA |
| Manganese | 300 | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | 300 | NA | NA | NA | NA | NA |
| Mercury | 0.7 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| Mercury (Dissolved) | 0.7 | NA | NA | NA | NA | NA |
| Nickel | 100 | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | 100 | NA | NA | NA | NA | NA |
| Potassium | ~ | NA | NA | NA | NA | NA |
| Potassium (Dissolved) | ~ | NA | NA | NA | NA | NA |
| Selenium | 10 | 5 U | 5 U | 5 U | 5.52 | 5.34 |
| Selenium (Dissolved) | 10 | NA | NA | NA | NA | NA |
| Silver | 50 | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| Silver (Dissolved) | 50 | NA | NA | NA | NA | NA |
| Sodium | 20,000 | NA | NA | NA | NA | NA |
| Sodium (Dissolved) | 20,000 | NA | NA | NA | NA | NA |
| Thallium | 0.5 | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | 0.5 | NA | NA | NA | NA | NA |
| Vanadium | ~ | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | ~ | NA | NA | NA | NA | NA |
| Zinc | 2,000 | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | 2,000 | NA | NA | NA | NA | NA |

Table 3
Remedial Investigation Report
Phase II Groundwater Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

Notes:

1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Detected analytical results above NYSDEC SGVs are bolded and shaded.
3. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
4. Sample 074_DUP-1 is a duplicate sample of 073_LMW-1.
5. ~ = Regulatory limit for this analyte does not exist
6. µg/l = micrograms per liter
7. NA = Not analyzed

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 4
Remedial Investigation Report
Phase II Soil Vapor Sample Analytical Results Summary

280 West 155th Street
 New York, New York
 NYSDEC BCP Site No.: C231138
 Langan Project No.: 100765102

| Location | | LSV-1 | LSV-2 | LSV-3 | LSV-4 |
|---|-----------------|-------------|-------------|-------------|-------------|
| Sample ID | NYSDOH Decision | 025_LSV-1 | 026_LSV-2 | 027_LSV-3 | 028_LSV-4 |
| Laboratory ID | Matrices | L1923449-01 | L1923449-02 | L1923449-03 | L1923449-04 |
| Sample Date | Minimum | 6/3/2019 | 6/3/2019 | 6/3/2019 | 6/3/2019 |
| Sample Depth (feet bgs) | Concentrations | 5 | 3 | 6 | 7 |
| Sample Type | | SV | SV | SV | SV |
| Volatile Organic Compounds (µg/m³) | | | | | |
| 1,1,1-Trichloroethane | 100 | 2.22 | 1.09 U | 1.09 U | 5.46 U |
| 1,1,2,2-Tetrachloroethane | ~ | 1.37 U | 1.37 U | 1.37 U | 6.87 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ~ | 1.53 U | 1.53 U | 1.53 U | 7.66 U |
| 1,1,2-Trichloroethane | ~ | 1.09 U | 1.09 U | 1.09 U | 5.46 U |
| 1,1-Dichloroethane | ~ | 0.809 U | 0.809 U | 0.809 U | 4.05 U |
| 1,1-Dichloroethene | 6 | 0.793 U | 0.793 U | 0.793 U | 3.96 U |
| 1,2,4-Trichlorobenzene | ~ | 1.48 U | 1.48 U | 1.48 U | 7.42 U |
| 1,2,4-Trimethylbenzene | ~ | 13.6 | 13.9 | 14 | 17.9 |
| 1,2-Dibromoethane (Ethylene Dibromide) | ~ | 1.54 U | 1.54 U | 1.54 U | 7.69 U |
| 1,2-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 6.01 U |
| 1,2-Dichloroethane | ~ | 0.809 U | 0.809 U | 0.809 U | 4.05 U |
| 1,2-Dichloropropane | ~ | 6.61 | 0.924 U | 0.924 U | 4.62 U |
| 1,2-Dichlorotetrafluoroethane | ~ | 1.4 | 1.4 U | 1.4 U | 6.99 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | ~ | 3.75 | 3.5 | 3.56 | 4.92 U |
| 1,3-Butadiene | ~ | 0.442 U | 0.442 U | 0.442 U | 2.21 U |
| 1,3-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 6.01 U |
| 1,4-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 6.01 U |
| 1,4-Dioxane (P-Dioxane) | ~ | 0.721 U | 0.721 U | 0.721 U | 3.6 U |
| 2,2,4-Trimethylpentane | ~ | 0.934 U | 0.934 U | 2.9 | 285 |
| 2-Hexanone | ~ | 1.08 | 10 | 3.16 | 25.9 |
| 4-Ethyltoluene | ~ | 3.9 | 3.49 | 3.88 | 4.92 U |
| Acetone | ~ | 36.1 | 162 | 96.7 | 530 |
| Allyl Chloride (3-Chloropropene) | ~ | 0.626 U | 0.626 U | 0.626 U | 3.13 U |
| Benzene | ~ | 0.888 | 0.856 | 1.22 | 3.19 U |
| Benzyl Chloride | ~ | 1.04 U | 1.04 U | 1.04 U | 5.18 U |
| Bromodichloromethane | ~ | 1.34 U | 1.34 U | 1.34 U | 6.7 U |
| Bromoethene | ~ | 0.874 U | 0.874 U | 0.874 U | 4.37 U |
| Bromoform | ~ | 2.07 U | 2.07 U | 2.07 U | 10.3 U |
| Bromomethane | ~ | 0.777 U | 0.777 U | 0.777 U | 3.88 U |
| Carbon Disulfide | ~ | 4.08 | 5.04 | 6.45 | 8.59 |
| Carbon Tetrachloride | 6 | 1.26 U | 1.26 U | 1.26 U | 6.29 U |
| Chlorobenzene | ~ | 0.921 U | 0.921 U | 0.921 U | 4.61 U |
| Chloroethane | ~ | 0.528 U | 0.528 U | 0.528 U | 2.64 U |
| Chloroform | ~ | 3.47 | 6.74 | 1.85 | 4.88 U |
| Chloromethane | ~ | 0.413 U | 0.413 U | 0.413 U | 2.07 U |
| Cis-1,2-Dichloroethene | 6 | 0.793 U | 0.793 U | 0.793 U | 3.96 U |
| Cis-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 0.908 U | 4.54 U |
| Cyclohexane | ~ | 0.688 U | 0.871 | 0.688 U | 3.86 |
| Dibromochloromethane | ~ | 1.7 U | 1.7 U | 1.7 U | 8.52 U |
| Dichlorodifluoromethane | ~ | 1.03 | 0.989 U | 1.47 | 4.94 U |
| Ethanol | ~ | 14.5 J | 13.1 J | 15 J | 109 J |
| Ethyl Acetate | ~ | 1.8 U | 1.8 U | 1.8 U | 9.01 U |
| Ethylbenzene | ~ | 5.73 | 3.6 | 5.86 | 5.47 |
| Hexachlorobutadiene | ~ | 2.13 U | 2.13 U | 2.13 U | 10.7 U |
| Isopropanol | ~ | 1.23 U | 1.23 U | 7.64 | 6.15 U |
| M,P-Xylene | ~ | 26.9 | 17.6 | 26.5 | 25.5 |
| Methyl Ethyl Ketone (2-Butanone) | ~ | 4.31 | 27 | 22.2 | 92.3 |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | ~ | 2.05 U | 2.05 U | 2.05 U | 10.2 U |
| Methylene Chloride | 100 | 1.74 U | 1.74 U | 1.74 U | 8.69 U |
| n-Heptane | ~ | 4.03 | 3.02 | 3.71 | 9.1 |
| n-Hexane | ~ | 1.47 | 1.74 | 1.82 | 24.7 |
| o-Xylene (1,2-Dimethylbenzene) | ~ | 9.34 | 6.39 | 9.08 | 10.8 |
| Styrene | ~ | 0.852 U | 0.852 U | 0.852 U | 4.26 U |
| Tert-Butyl Alcohol | ~ | 1.69 | 6.21 | 3 | 13.1 |
| Tert-Butyl Methyl Ether | ~ | 0.721 U | 0.721 U | 0.721 U | 1,130 |
| Tetrachloroethene (PCE) | 100 | 345 | 189 | 308 | 309 |
| Tetrahydrofuran | ~ | 1.47 U | 1.55 | 1.47 U | 7.37 U |
| Toluene | ~ | 49.7 | 11 | 21.8 | 26.2 |
| Trans-1,2-Dichloroethene | ~ | 0.793 U | 0.793 U | 0.793 U | 3.96 U |
| Trans-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 0.908 U | 4.54 U |
| Trichloroethene (TCE) | 6 | 1.07 U | 1.07 U | 1.07 U | 5.37 U |
| Trichlorofluoromethane | ~ | 93.3 | 20.6 | 5.01 | 5.62 U |
| Vinyl Chloride | 6 | 0.511 U | 0.511 U | 0.511 U | 2.56 U |

Notes:

- Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
- Only detected analytes are shown in the table.
- Detected analytical results above the minimum soil vapor concentrations recommending mitigation are bolded and shaded.
- Analytical results with reporting limits (RL) above the minimum soil vapor concentrations recommending mitigation are italicized.
- ~ = Regulatory limit for this analyte does not exist
- ug/m3= micrograms per cubic meter
- SV = Soil Vapor
- bgs = below ground surface

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
 U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 5A
Remedial Investigation Report
Remedial Investigation Soil Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Commercial SCOs | NYSDEC Part 375 Protection of Groundwater SCOs | LSB-45 056_LSB-45 7.5-9.5 L2035280-27 8/31/2020 7.5-9.5 | LSB-46 055_LSB-46 6.0-8.0 L2035280-26 8/31/2020 6-8 | LSB-47 049_LSB-47 8.5-10.5 L2035280-20 8/31/2020 8.5-10.5 | LSB-48 039_LSB-48 8.0-10.0 L2035280-10 8/28/2020 8-10 | LSB-49 033_LSB-49 9.5-11.5 L2035280-04 8/27/2020 9.5-11.5 | LSB-50 042_LSB-50 9.5-11.5 L2035280-13 8/28/2020 9.5-11.5 | LSB-52 035_LSB-52 9.5-11.5 L2035280-06 8/27/2020 9.5-11.5 | LSB-53 043_LSB-53 9.5-11.5 L2035280-14 8/28/2020 9.5-11.5 | LSB-54 045_LSB-54 9.5-11.5 L2035280-16 8/28/2020 9.5-11.5 | | | | | | | | | |
|--|---|--|---|---|---|---|---|---|---|---|---|---|---|--------|---|--------|---|--------------|---|--------|---|
| Pesticides (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 4,4'-DDD | 0.0033 | 92 | 14 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| 4,4'-DDE | 0.0033 | 62 | 17 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| 4,4'-DDT | 0.0033 | 47 | 136 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Aldrin | 0.005 | 0.68 | 0.19 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Alpha BHC (Alpha Hexachlorocyclohexane) | 0.02 | 3.4 | 0.02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Alpha Chlordane | 0.094 | 24 | 2.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Alpha Endosulfan | 2.4 | 200 | 102 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 3 | 0.09 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Beta Endosulfan | 2.4 | 200 | 102 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Chlordane (alpha and gamma) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Delta Bhc (Delta Hexachlorocyclohexane) | 0.04 | 500 | 0.25 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Dieldrin | 0.005 | 1.4 | 0.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Endosulfan Sulfate | 2.4 | 200 | 1000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Endrin | 0.014 | 89 | 0.06 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Endrin Aldehyde | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Endrin Ketone | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Gamma Bhc (Lindane) | 0.1 | 9.2 | 0.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Gamma Chlordane | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Heptachlor | 0.042 | 15 | 0.38 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Heptachlor Epoxide | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Methoxychlor | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Toxaphene | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Herbicides (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-T (Trichlorophenoxyacetic Acid) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| 2,4-D (Dichlorophenoxyacetic Acid) | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Silvex (2,4,5-Tp) | 3.8 | 500 | 3.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Polychlorinated Biphenyls (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1221 (Aroclor 1221) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1232 (Aroclor 1232) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1242 (Aroclor 1242) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1248 (Aroclor 1248) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1254 (Aroclor 1254) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0232 | J | 0.0268 | J | 0.0393 | U | 0.173 | | 0.0382 | U |
| PCB-1260 (Aroclor 1260) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0157 | J | 0.0369 | J | 0.0393 | U | 0.0377 | J | 0.0382 | U |
| PCB-1262 (Aroclor 1262) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| PCB-1268 (Aroclor 1268) | ~ | ~ | ~ | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0425 | U | 0.058 | U | 0.0393 | U | 0.0396 | U | 0.0382 | U |
| Total PCBs | 0.1 | 1 | 3.2 | 0.045 | U | 0.0366 | U | 0.0437 | U | 0.045 | U | 0.0389 | J | 0.0637 | J | 0.0393 | U | 0.211 | J | 0.0382 | U |
| Inorganics (mg/kg) | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Antimony | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Arsenic | 13 | 16 | 16 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Barium | 350 | 400 | 820 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Beryllium | 7.2 | 590 | 47 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Cadmium | 2.5 | 9.3 | 7.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Calcium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Chromium, Hexavalent | 1 | 400 | 19 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Chromium, Total | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Chromium, Trivalent | 30 | 1,500 | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Cobalt | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Copper | 50 | 270 | 1,720 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Iron | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Lead | 63 | 1,000 | 450 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Magnesium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Manganese | 1,600 | 10,000 | 2,000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Mercury | 0.18 | 2.8 | 0.73 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Nickel | 30 | 310 | 130 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Potassium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Selenium | 3.9 | 1,500 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Silver | 2 | 1,500 | 8.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Sodium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Thallium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Vanadium | ~ | ~ | ~ | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| Zinc | 109 | 10,000 | 2,480 | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | |
| General Chemistry (%) | | | | | | | | | | | | | | | | | | | | | |
| Total Solids | ~ | ~ | ~ | 73.4 | 86.1 | 72.8 | 70.2 | 76.1 | 54.4 | 82.6 | 80.1 | 85.5 | | | | | | | | | |

Notes provided on Page 10.

Concentrations above Unrestricted Use SCOs are bolded.

Concentrations above Restricted Use Commercial SCOs are shaded.

Concentrations above Protection of Groundwater SCOs are underlined.

Table 5A
Remedial Investigation Report
Remedial Investigation Soil Sample Analytical Results

280 West 155th Street Development
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Commercial and Protection of Groundwater Soil Cleanup Objectives (SCO).
2. Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and
3. Detected analytical results above Unrestricted Use SCOs are bolded.
4. Detected analytical results above Restricted Use Commercial SCOs are shaded.
5. Detected analytical results above Protection of Groundwater SCOs are underlined.
6. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
7. Sample 067_DUP-2 is a duplicate sample of 065_LSB-39_1.0-3.0 and sample 032_DUP-1 is a duplicate sample of 031_LSB-44_12.0-14.0.
8. ~ = Regulatory limit for this analyte does not exist
9. bgs = below grade surface
10. mg/kg = milligrams per kilogram
11. % = percent
13. NA = Not analyzed

Qualifiers:

- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 5B
Remedial Investigation Report
Remedial Investigaton Soil Sample Analytical Results - Emerging Contaminants

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Commercial SCOs | NYSDEC Part 375 Protection of Groundwater SCOs | LSB-36 060_LSB-36_1.0-3.0 L2035280-31 9/1/2020 1-3 | LSB-36 061_LSB-36_12.0-14.0 L2035280-32 9/1/2020 12-14 | LSB-37 050_LSB-37_1.0-3.0 L2035280-21 8/31/2020 1-3 | LSB-37 051_LSB-37_12.0-14.0 L2035280-22 8/31/2020 12-14 | LSB-38 062_LSB-38_2.0-4.0 L2035280-33 9/1/2020 2-4 | LSB-38 063_LSB-38_12.0-14.0 L2035280-34 9/1/2020 12-14 | LSB-39 065_LSB-39_1.0-3.0 L2035280-36 9/2/2020 1-3 | LSB-39 067_DUP-2 L2035280-38 9/2/2020 1-3 | LSB-39 066_LSB-39_12.0-14.0 L2035280-37 9/2/2020 12-14 | LSB-40 053_LSB-40_1.0-3.0 L2035280-24 8/31/2020 1-3 |
|---|---------------------------------------|--|--|--|--|---|---|--|--|--|---|--|---|
| Semivolatile Organic Compounds (ppb) | | | | | | | | | | | | | |
| 1,4-Dioxane (P-Dioxane) | 100 | 130,000 | 100 | 81 U | 30 U | 29 U | 1,400 U | 28 U | 30 U | 32 UJ | 30 UJ | 36 UJ | 32 U |
| Per and Polyfluoroalkyl Substances (ppb) | | | | | | | | | | | | | |
| N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA) | ~ | ~ | ~ | 0.517 UJ | 0.587 UJ | 0.55 UJ | 0.566 UJ | 0.53 UJ | 0.541 UJ | 0.616 UJ | 0.573 UJ | 0.692 UJ | 0.606 UJ |
| N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA) | ~ | ~ | ~ | 0.517 UJ | 0.587 UJ | 0.55 UJ | 0.566 UJ | 0.53 UJ | 0.541 UJ | 0.616 UJ | 0.573 UJ | 0.692 UJ | 0.606 UJ |
| Perfluorobutanesulfonic Acid (PFBS) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Perfluorobutanoic acid (PFBA) | ~ | ~ | ~ | 0.517 U | 0.034 J | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.038 J | 0.573 U | 0.692 U | 0.606 U |
| Perfluorodecanesulfonic Acid (PFDS) | ~ | ~ | ~ | 0.517 UJ | 0.587 UJ | 0.55 UJ | 0.566 U | 0.53 UJ | 0.541 UJ | 0.616 UJ | 0.573 UJ | 0.692 UJ | 0.606 UJ |
| Perfluorodecanoic Acid (PFDA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.815 U | 0.541 U | 2.32 | 1.39 | 0.692 U | 0.606 U |
| Perfluorododecanoic Acid (PFDoA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.221 J | 0.148 J | 0.692 U | 0.606 U |
| Perfluoroheptanesulfonic Acid (PFHpS) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Perfluoroheptanoic acid (PFHpA) | ~ | ~ | ~ | 0.517 U | 0.057 J | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.253 J | 0.183 J | 0.692 U | 0.606 U |
| Perfluorohexanesulfonic Acid (PFHxS) | ~ | ~ | ~ | 0.517 UJ | 0.587 U | 0.55 U | 0.566 UJ | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Perfluorohexanoic Acid (PFHxA) | ~ | ~ | ~ | 0.079 J | 0.116 J | 0.098 J | 0.06 J | 0.53 U | 0.541 U | 0.148 J | 0.111 J | 0.073 J | 0.606 U |
| Perfluorononanoic Acid (PFNA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.793 | 0.541 U | 4.78 | 4.35 J | 0.692 UJ | 0.606 U |
| Perfluorooctanesulfonamide (FOSA) | ~ | ~ | ~ | 0.517 UJ | 0.587 UJ | 0.55 UJ | 0.566 U | 0.53 UJ | 0.541 UJ | 0.616 UJ | 0.573 UJ | 0.692 UJ | 0.606 UJ |
| Perfluorooctanesulfonic Acid (PFOS) | 0.88 | 440 | 3.7 | 0.517 U | 0.587 U | 0.251 J | 0.225 J | 0.5 J | 0.541 U | 1.02 | 1.12 | 0.692 U | 0.611 |
| Perfluorooctanoic Acid (PFOA) | 0.66 | 500 | 1.1 | 0.517 U | 0.265 J | 0.242 J | 0.057 J | 0.124 J | 0.541 U | 1.58 | 1.37 | 0.692 U | 0.166 J |
| Perfluoropentanoic Acid (PFPeA) | ~ | ~ | ~ | 0.517 U | 0.112 J | 0.125 J | 0.566 U | 0.53 U | 0.541 U | 0.092 J | 0.072 J | 0.692 U | 0.606 U |
| Perfluorotetradecanoic Acid (PFTA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Perfluorotridecanoic Acid (PFTTrDA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Perfluoroundecanoic Acid (PFUnA) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.412 J | 0.195 J | 0.692 U | 0.606 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS) | ~ | ~ | ~ | 0.517 U | 0.587 U | 0.55 U | 0.566 U | 0.53 U | 0.541 U | 0.616 U | 0.573 U | 0.692 U | 0.606 U |
| Total PFOA and PFOS | ~ | ~ | ~ | 0.517 U | 0.265 J | 0.493 J | 0.282 J | 0.624 J | 0.541 U | 2.6 | 2.49 J | 0.692 UJ | 0.777 J |
| Total PFAS | ~ | ~ | ~ | 0.079 | 0.584 | 0.716 | 0.342 | 2.23 | ND | 10.9 | 8.94 | 0.073 | 0.777 |

Notes provided on Page 3.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Commercial SCOs are shaded.
Concentrations above Protection of Groundwater SCOs are underlined.

Table 5B
Remedial Investigation Report
Remedial Investigaton Soil Sample Analytical Results - Emerging Contaminants

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Commercial SCOs | NYSDEC Part 375 Protection of Groundwater SCOs | LSB-40 054_LSB-40_12.0-14.0 L2035280-25 8/31/2020 | LSB-41 047_LSB-41_4.0-6.0 L2035280-18 8/31/2020 | LSB-41 048_LSB-41_12.0-14.0 L2035280-19 8/31/2020 | LSB-42 040_LSB-42_1.5-3.5 L2035280-11 8/28/2020 | LSB-42 041_LSB-42_12.0-14.0 L2035280-12 8/28/2020 | LSB-43 037_LSB-43_2.5-4.5 L2035280-08 8/28/2020 | LSB-43 038_LSB-43_12.0-14.0 L2035280-09 8/28/2020 | LSB-44 030_LSB-44_3.0-5.0 L2035280-01 8/27/2020 | LSB-44 031_LSB-44_12.0-14.0 L2035280-02 8/27/2020 | LSB-44 032_DUP-1 L2035280-03 8/27/2020 |
|---|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|---|
| Sample ID | | | | 12-14 | 4-6 | 12-14 | 1.5-3.5 | 12-14 | 2.5-4.5 | 12-14 | 3-5 | 12-14 | 12-14 |
| Laboratory ID | | | | | | | | | | | | | |
| Sample Date | | | | | | | | | | | | | |
| Sample Depth (feet bgs) | | | | | | | | | | | | | |
| Semivolatile Organic Compounds (ppb) | | | | | | | | | | | | | |
| 1,4-Dioxane (P-Dioxane) | 100 | 130,000 | 100 | 32 U | 31 UJ | 37 U | 150 U | 29 U | 27 U | 170 U | 27 U | 30 U | 33 U |
| Per and Polyfluoroalkyl Substances (ppb) | | | | | | | | | | | | | |
| N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA) | ~ | ~ | ~ | 0.623 U | 0.557 UJ | 0.665 UJ | 0.565 UJ | 0.548 UJ | 0.528 UJ | 0.172 J | 0.5 UJ | 0.559 UJ | 0.624 UJ |
| N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA) | ~ | ~ | ~ | 0.623 UJ | 0.557 UJ | 0.665 UJ | 0.565 UJ | 0.548 UJ | 0.528 UJ | 0.264 J | 0.5 UJ | 0.559 UJ | 0.624 UJ |
| Perfluorobutanesulfonic Acid (PFBS) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorobutanoic acid (PFBA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.774 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorodecanesulfonic Acid (PFDS) | ~ | ~ | ~ | 0.623 U | 0.557 UJ | 0.665 UJ | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorodecanoic Acid (PFDA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorododecanoic Acid (PFDoA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluoroheptanesulfonic Acid (PFHpS) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluoroheptanoic acid (PFHpA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.117 J | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorohexanesulfonic Acid (PFHxS) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.091 J | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorohexanoic Acid (PFHxA) | ~ | ~ | ~ | 0.067 J | 0.083 J | 0.665 U | 0.122 J | 0.548 U | 0.097 J | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorononanoic Acid (PFNA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorooctanesulfonamide (FOSA) | ~ | ~ | ~ | 0.623 UJ | 0.557 UJ | 0.665 UJ | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorooctanesulfonic Acid (PFOS) | 0.88 | 440 | 3.7 | 0.623 U | 0.456 J | 0.665 U | 0.602 J | 0.548 U | 1.33 J | 0.569 J | 2.02 J | 0.559 U | 0.624 U |
| Perfluorooctanoic Acid (PFOA) | 0.66 | 500 | 1.1 | 0.17 J | 0.191 J | <i>0.665</i> U | 0.784 | 0.548 U | 0.286 J | 0.637 U | 0.26 J | 0.559 U | 0.624 U |
| Perfluoropentanoic Acid (PFPeA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.051 J | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorotetradecanoic Acid (PFTA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluorotridecanoic Acid (PFTTrDA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Perfluoroundecanoic Acid (PFUnA) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 UJ | 0.548 UJ | 0.528 UJ | 0.637 U | 0.5 UJ | 0.559 UJ | 0.624 UJ |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS) | ~ | ~ | ~ | 0.623 U | 0.557 U | 0.665 U | 0.565 U | 0.548 U | 0.528 U | 0.637 U | 0.5 U | 0.559 U | 0.624 U |
| Total PFOA and PFOS | ~ | ~ | ~ | 0.17 J | 0.647 J | 0.665 U | 1.39 | 0.548 U | 1.62 J | 0.569 J | 2.28 J | 0.559 U | 0.624 U |
| Total PFAS | ~ | ~ | ~ | 0.237 | 0.73 | ND | 2.49 | ND | 1.76 | 1.01 | 2.28 | ND | ND |

Notes provided on Page 3.

Concentrations above Unrestricted Use SCOs are bolded.

Concentrations above Restricted Use Commercial SCOs are shaded.

Concentrations above Protection of Groundwater SCOs are underlined.

Table 5B
Remedial Investigation Report
Remedial Investigation Soil Sample Analytical Results - Emerging Contaminants

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Commercial and Protection of Groundwater Soil Cleanup Objectives (SCO and NYSDEC Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (October 2020).
2. Detected analytical results above Unrestricted Use SCOs are bolded.
3. Detected analytical results above Restricted Use Commercial SCOs are shaded.
4. Detected analytical results above Protection of Groundwater SCOs are underlined.
5. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
6. Sample 067_DUP-2 is a duplicate sample of 065_LSB-39_1.0-3.0 and sample 032_DUP-1 is a duplicate sample of 031_LSB-44_12.0-14.0.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. ppb = parts per billion
10. ND = Not detected

Qualifiers:

- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

**Table 6A
Remedial Investigation Report
Remedial Investigation Groundwater Sample Analytical Results**

**280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102**

| Location | | LMW-7 | LMW-7 | LMW-7 | LMW-8 | LMW-8 | LMW-8 | LMW-8 | LMW-9 | LMW-9 | LMW-9 | LMW-9 | LMW-9 |
|---|--------|-------------|-------------|-----------------------|-------------|-------------|-----------------------|-------------|-------------|-------------|-----------------------|-----------------------|-----------|
| Sample ID | NYSDEC | 076 LMW-7 | 121 LMW-7 | 122 LMW-7 (DISSOLVED) | 082 LMW-8 | 109 LMW-8 | 110 LMW-8 (DISSOLVED) | 080 LMW-9 | 112 LMW-9 | 115 DUP-2 | 113 LMW-9 (DISSOLVED) | 116 DUP-2 (DISSOLVED) | |
| Laboratory ID | SGVs | L2037563-03 | L2109792-11 | L2109792-12 | L2037563-09 | L2109792-03 | L2109792-04 | L2037563-07 | L2109792-05 | L2109792-07 | L2109792-06 | L2109792-08 | |
| Sample Date | | 9/10/2020 | 2/26/2021 | 2/26/2021 | 9/11/2020 | 2/26/2021 | 2/26/2021 | 9/11/2020 | 2/26/2021 | 2/26/2021 | 2/26/2021 | 2/26/2021 | 2/26/2021 |
| Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,1,1-Trichloroethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,1,2,2-Tetrachloroethane | 5 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| 1,1,2-Trichloroethane | 1 | 1.5 | U | NA | NA | 1.5 | U | NA | NA | 1.5 | U | NA | NA |
| 1,1-Dichloroethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,1-Dichloroethene | 5 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| 1,1-Dichloropropene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | 2.5 | UU | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | 2 | U | NA | NA | 2 | U | NA | NA | 2 | U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2-Dibromo-3-Chloropropane | 0.04 | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | 2 | UU | NA | NA | 2 | U | NA | NA | 2 | U | NA | NA |
| 1,2-Dichlorobenzene | 3 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,2-Dichloroethane | 0.6 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| 1,2-Dichloropropane | 1 | 1 | U | NA | NA | 1 | U | NA | NA | 1 | U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | 2.5 | U | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| 1,3-Dichlorobenzene | 3 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,3-Dichloropropane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,4-Dichlorobenzene | 3 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 1,4-Diethyl Benzene | ~ | 2 | U | NA | NA | 2 | U | NA | NA | 2 | U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | ~ | 250 | UU | NA | NA | 250 | UU | NA | NA | 250 | UU | NA | NA |
| 2,2-Dichloropropane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 2-Chlorotoluene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 2-Hexanone | 50 | 5 | UU | NA | NA | 5 | UU | NA | NA | 5 | UU | NA | NA |
| 4-Chlorotoluene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| 4-Ethyltoluene | ~ | 2 | U | NA | NA | 2 | UU | NA | NA | 2 | UU | NA | NA |
| Acetone | 50 | 5 | UU | NA | NA | 1.5 | J | NA | NA | 5 | UU | NA | NA |
| Acrylonitrile | 5 | 5 | UU | NA | NA | 5 | UU | NA | NA | 5 | UU | NA | NA |
| Benzene | 1 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Bromobenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Bromochloromethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Bromodichloromethane | 50 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Bromoform | 50 | 2 | U | NA | NA | 2 | UU | NA | NA | 2 | UU | NA | NA |
| Bromomethane | 5 | 2.5 | UU | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Carbon Disulfide | 60 | 5 | U | NA | NA | 5 | U | NA | NA | 5 | U | NA | NA |
| Carbon Tetrachloride | 5 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Chlorobenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Chloroethane | 5 | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| Chloroform | 7 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Chloromethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Cis-1,2-Dichloroethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Cis-1,3-Dichloropropene | 0.4 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Cymene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Dibromochloromethane | 50 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Dibromomethane | 5 | 5 | U | NA | NA | 5 | U | NA | NA | 5 | U | NA | NA |
| Dichlorodifluoromethane | 5 | 5 | U | NA | NA | 5 | UU | NA | NA | 5 | UU | NA | NA |
| Diethyl Ether (Ethyl Ether) | ~ | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Ethylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Hexachlorobutadiene | 0.5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| M,P-Xylene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | 5 | U | NA | NA | 5 | U | NA | NA | 5 | U | NA | NA |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | ~ | 5 | UU | NA | NA | 5 | UU | NA | NA | 5 | UU | NA | NA |
| Methylene Chloride | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Naphthalene | 10 | 2.5 | UU | NA | NA | 1.8 | J | NA | NA | 2.5 | UU | NA | NA |
| n-Butylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| n-Propylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| o-Xylene (1,2-Dimethylbenzene) | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Sec-Butylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| Styrene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| T-Butylbenzene | 5 | 2.5 | U | NA | NA | 2.5 | UU | NA | NA | 2.5 | UU | NA | NA |
| Tert-Butyl Methyl Ether | 10 | 2.5 | UU | NA | NA | 1.8 | J | NA | NA | 2.5 | UU | NA | NA |
| Tetrachloroethene (PCE) | 5 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Toluene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Total 1,2-Dichloroethene (Cis and Trans) | ~ | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Total Xylenes | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Trans-1,3-Dichloropropene | 0.4 | 0.5 | U | NA | NA | 0.5 | UU | NA | NA | 0.5 | UU | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | 2.5 | UU | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Trichloroethene (TCE) | 5 | 0.5 | U | NA | NA | 0.5 | U | NA | NA | 0.5 | U | NA | NA |
| Trichlorofluoromethane | 5 | 2.5 | U | NA | NA | 2.5 | U | NA | NA | 2.5 | U | NA | NA |
| Vinyl Acetate | ~ | 5 | UU | NA | NA | 5 | UU | NA | NA | 5 | UU | NA | NA |
| Vinyl Chloride | 2 | 1 | U | NA | NA | 1 | U | NA | NA | 1 | U | NA | NA |

Table 6A
Remedial Investigation Report
Remedial Investigation Groundwater Sample Analytical Results

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

Notes:

1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Criterion comparisons for total xylenes and m,p-xylene are provided for reference. Promulgated NYSDEC SGVs are for o-xylene, m-xylene, and p-xylene.
3. Detected analytical results above NYSDEC SGVs are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
5. Sample 074_DUP-1 is a duplicate sample of 073_LMW-1 and sample 115_DUP-2 is a duplicate sample of 116_DUP-2 (DISSOLVED).
6. ~ = Regulatory limit for this analyte does not exist
7. µg/l = micrograms per liter
8. NA = Not analyzed

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 6B
Remedial Investigation Report
Remedial Investigation Groundwater Sample Analytical Results - Emerging Contaminants

280 West 155th Street
 New York, New York
 NYSDEC BCP Site No.: C231138
 Langan Project No.: 100765102

| Location Sample ID Laboratory ID Sample Date | NYSDEC October 2020 Guidance Values | NYSDEC August 2020 Public Water Maximum Contaminant Levels | LMW-1 073_LMW-1 L2037563-01 9/10/2020 | LMW-1 074_DUP-1 L2037563-04 9/10/2020 | LMW-3 083_LMW-3 L2037563-10 9/11/2020 | LMW-4 081_LMW-4 L2037563-08 9/11/2020 | LMW-6 075_LMW-6 L2037563-02 9/10/2020 | LMW-7 076_LMW-7 L2037563-03 9/10/2020 | LMW-8 082_LMW-8 L2037563-09 9/11/2020 | LMW-9 080_LMW-9 L2037563-07 9/11/2020 |
|---|---|---|--|--|--|--|--|--|--|--|
| Semivolatile Organic Compounds (ng/L) | | | | | | | | | | |
| 1,4-Dioxane (P-Dioxane) | ~ | 1,000 | 64.8 J | 144 U | 156 U | 150 U | 150 U | 94.2 J | 156 U | 150 U |
| Per and Polyfluoroalkyl Substances (ng/L) | | | | | | | | | | |
| N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA) | 100 | ~ | 1.62 J | 1.37 J | 1.85 U | 1.89 U | 2.53 J | 3.5 J | 1.91 U | 1.84 U |
| N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA) | 100 | ~ | 3.02 J | 2.14 J | 1.85 U | 1.89 U | 5.34 J | 5.94 J | 1.91 U | 1.84 U |
| Perfluorobutanesulfonic Acid (PFBS) | 100 | ~ | 6.51 J | 4.61 J | 2.73 J | 4.45 J | 2.27 J | 2.71 J | 4.09 J | 1.54 J |
| Perfluorobutanoic acid (PFBA) | 100 | ~ | 6.09 J | 6.1 J | 8.95 J | 14.8 J | 7.34 J | 5.17 J | 7.92 J | 3.7 J |
| Perfluorodecanesulfonic acid (PFDS) | 100 | ~ | 1.86 U | 1.85 U | 1.85 UJ | 1.89 UJ | 1.83 U | 1.85 U | 1.91 UJ | 1.84 U |
| Perfluorodecanoic acid (PFDA) | 100 | ~ | 0.554 J | 1.85 U | 1.85 U | 0.4 J | 1.24 J | 0.686 J | 0.492 J | 0.303 J |
| Perfluorododecanoic Acid (PFDoA) | 100 | ~ | 0.687 J | 1.85 U | 1.85 U | 1.89 U | 1.38 J | 1.85 U | 1.91 U | 1.84 U |
| Perfluoroheptanesulfonic acid (PFHpS) | 100 | ~ | 1.86 U | 0.776 J | 1.85 U | 1.89 U | 0.997 J | 0.697 J | 1.91 U | 1.84 U |
| Perfluoroheptanoic acid (PFHpA) | 100 | ~ | 4.93 J | 4.93 J | 43.9 J | 55.2 J | 4.94 J | 1.54 J | 26.6 J | 10.1 J |
| Perfluorohexanesulfonic Acid (PFHxS) | 100 | ~ | 6.15 J | 6.28 J | 0.786 J | 2.1 J | 2.29 J | 2.24 J | 2.95 J | 0.683 J |
| Perfluorohexanoic Acid (PFHxA) | 100 | ~ | 8.27 J | 7.81 J | 21.7 J | 28.1 J | 6.43 J | 3.48 U | 10.6 J | 6.59 J |
| Perfluorononanoic Acid (PFNA) | 100 | ~ | 1.52 J | 1.37 J | 0.809 J | 0.775 J | 1.87 J | 2.4 J | 0.557 J | 0.591 J |
| Perfluorooctanesulfonamide (FOSA) | 100 | ~ | 1.86 U | 1.85 U | 1.85 U | 1.89 U | 1.83 U | 1.85 U | 1.91 U | 1.84 U |
| Perfluorooctanesulfonic acid (PFOS) | 10 | ~ | 30.9 J | 31 J | 6.87 J | 6.37 J | 33.5 J | 62.8 J | 8.54 J | 6.86 J |
| Perfluorooctanoic Acid (PFOA) | 10 | ~ | 21.2 J | 21.6 J | 33.1 J | 31.8 J | 9.01 J | 8.85 J | 43.4 J | 7.53 J |
| Perfluoropentanoic Acid (PFPeA) | 100 | ~ | 8.81 J | 7.52 J | 17.1 J | 22.5 J | 6.33 J | 4.3 J | 11.2 J | 6.18 J |
| Perfluorotetradecanoic Acid (PFTA) | 100 | ~ | 1.86 U | 1.85 U | 1.85 U | 0.246 J | 1.83 U | 1.85 U | 1.91 U | 1.84 U |
| Perfluorotridecanoic Acid (PFTTrDA) | 100 | ~ | 1.86 U | 1.85 U | 1.85 U | 1.89 U | 1.83 U | 1.85 U | 1.91 U | 1.84 U |
| Perfluoroundecanoic Acid (PFUnA) | 100 | ~ | 0.513 J | 1.85 U | 1.85 U | 1.89 U | 1.44 J | 1.85 U | 1.91 U | 1.84 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS) | 100 | ~ | 1.86 UJ | 1.85 UJ | 1.85 UJ | 1.89 UJ | 1.83 UJ | 1.85 UJ | 1.91 UJ | 1.84 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS) | 100 | ~ | 4.25 J | 5.53 J | 1.85 U | 8.84 J | 2.2 J | 1.79 J | 1.91 U | 1.84 U |
| Total PFOA and PFOS | ~ | ~ | 52.1 J | 52.6 J | 40 J | 38.2 J | 42.5 J | 71.7 J | 51.9 J | 14.4 J |
| Total PFAS | 500 | ~ | 116 J | 116 J | 158 J | 193 J | 98.3 J | 119 J | 137 J | 64.3 J |

Notes:

- Groundwater sample analytical results for PFAS compounds are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (October 2020).
- Groundwater sample analytical results for 1,4-dioxane are compared to the NYSDEC Volume A (Title 10) Subpart 5-1.51 Public Water Systems Maximum Contaminant Levels (August 2020).
- Detected analytical results above NYSDEC October 2020 Guidance Values or NYSDEC August 2020 Maximum Contamination Levels are bolded and shaded.
- Analytical results with reporting limits (RL) above NYSDEC October 2020 Guidance Values or NYSDEC August 2020 Maximum Contamination Levels are italicized.
- Sample 074_DUP-1 is a duplicate sample of 073_LMW-1.
- ~ = Regulatory limit for this analyte does not exist
- ng/l = nanograms per liter

Qualifiers:

- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
 UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
 U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 7
Remedial Investigation Report
Remedial Investigation Soil Vapor Analytical Results Summary

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location | | AMBIENT-1 | AMBIENT-2 | LSV-5 | LSV-6 | LSV-7 | LSV-8 | LSV-9 | LSV-10 | LSV-11 |
|---|------------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Sample ID | NYSDOH Decision | 085_AMBIENT-1 | 095_AMBIENT-2 | 097_LSV-5 | 099_LSV-6 | 093_LSV-7 | 092_LSV-8 | 100_LSV-9 | 101_LSV-10 | 091_LSV-11 |
| Laboratory ID | Matrices Minimum | L2038163-01 | L2038163-11 | L2038163-13 | L2038163-15 | L2038163-09 | L2038163-08 | L2038163-16 | L2038163-17 | L2038163-07 |
| Sample Date | Concentrations | 9/14/2020 | 9/15/2020 | 9/15/2020 | 9/15/2020 | 9/14/2020 | 9/14/2020 | 9/15/2020 | 9/15/2020 | 9/14/2020 |
| Sample Depth (feet bgs) | | --- | --- | 3.5 | 3.5 | 7 | 7 | 3 | 6 | 7.5 |
| Sample Type | | AA | AA | SV | SV | SV | SV | SV | SV | SV |
| Volatile Organic Compounds (µg/m³) | | | | | | | | | | |
| 1,1,1-Trichloroethane | 100 | 1.09 U | 1.09 U | 1.09 U | 1.09 U | 1.95 U | 6.82 U | 1.09 U | 1.09 U | 13.6 U |
| 1,1,2,2-Tetrachloroethane | ~ | 1.37 U | 1.37 U | 1.37 U | 1.37 U | 2.45 U | 8.58 U | 1.37 U | 1.37 U | 17.2 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ~ | 1.53 U | 1.53 U | 1.53 U | 1.53 U | 2.74 U | 9.58 U | 1.53 U | 1.53 U | 19.2 U |
| 1,1,2-Trichloroethane | ~ | 1.09 U | 1.09 U | 1.09 U | 1.09 U | 1.95 U | 6.82 U | 1.09 U | 1.09 U | 13.6 U |
| 1,1-Dichloroethane | ~ | 0.809 U | 0.809 U | 0.809 U | 0.809 U | 1.44 U | 5.06 U | 0.809 U | 0.809 U | 10.1 U |
| 1,1-Dichloroethene | 6 | 0.793 U | 0.793 U | 0.793 U | 0.793 U | 1.42 U | 4.96 U | 0.793 U | 0.793 U | 9.91 U |
| 1,2,4-Trichlorobenzene | ~ | 1.48 U | 1.48 U | 1.48 U | 1.48 U | 2.65 U | 9.28 U | 1.48 U | 1.48 U | 18.6 U |
| 1,2,4-Trimethylbenzene | ~ | 1.59 U | 0.983 U | 0.983 U | 1 | 1.76 U | 6.15 U | 0.983 U | 2.29 U | 12.3 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | ~ | 1.54 U | 1.54 U | 1.54 U | 1.54 U | 2.74 U | 9.61 U | 1.54 U | 1.54 U | 19.2 U |
| 1,2-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 2.15 U | 7.52 U | 1.2 U | 1.2 U | 15 U |
| 1,2-Dichloroethane | ~ | 0.809 U | 0.809 U | 0.809 U | 0.809 U | 1.44 U | 5.06 U | 0.809 U | 0.809 U | 10.1 U |
| 1,2-Dichloropropane | ~ | 0.924 U | 0.924 U | 0.924 U | 0.924 U | 1.65 U | 5.78 U | 0.924 U | 0.924 U | 11.6 U |
| 1,2-Dichlorotetrafluoroethane | ~ | 1.4 U | 1.4 U | 1.4 U | 1.4 U | 2.5 U | 8.74 U | 1.4 U | 1.4 U | 17.5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | ~ | 0.983 U | 0.983 U | 0.983 U | 0.983 U | 1.76 U | 6.15 U | 0.983 U | 1.12 U | 12.3 U |
| 1,3-Butadiene | ~ | 0.535 U | 0.442 U | 0.442 U | 0.442 U | 0.79 U | 2.77 U | 0.442 U | 0.442 U | 5.53 U |
| 1,3-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 2.15 U | 7.52 U | 1.2 U | 1.2 U | 15 U |
| 1,4-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 2.15 U | 7.52 U | 1.2 U | 1.2 U | 15 U |
| 1,4-Dioxane (P-Dioxane) | ~ | 0.721 U | 0.721 U | 0.721 U | 0.721 U | 1.29 U | 4.5 U | 0.721 U | 0.721 U | 9.01 U |
| 2,2,4-Trimethylpentane | ~ | 2.52 U | 1.64 U | 0.934 U | 0.934 U | 1.87 U | 5.84 U | 22.8 U | 0.934 U | 11.7 U |
| 2-Hexanone | ~ | 0.82 U | 0.82 U | 12.8 U | 4.75 U | 68 U | 116 U | 20.7 U | 34.8 U | 10.2 U |
| 4-Ethyltoluene | ~ | 0.983 U | 0.983 U | 0.983 U | 0.983 U | 1.76 U | 6.15 U | 0.983 U | 0.983 U | 12.3 U |
| Acetone | ~ | 7.22 J | 3.75 J | 55.1 J | 12.6 J | 146 J | 646 J | 85 J | 51.1 J | 29.7 UJ |
| Allyl Chloride (3-Chloropropene) | ~ | 0.626 U | 0.626 U | 0.626 U | 0.626 U | 1.12 U | 3.91 U | 0.626 U | 0.626 U | 7.83 U |
| Benzene | ~ | 3.48 U | 0.802 U | 0.639 U | 0.639 U | 1.14 U | 3.99 U | 4.25 U | 0.725 U | 7.99 U |
| Benzyl Chloride | ~ | 1.04 UJ | 1.04 UJ | 1.04 UJ | 1.04 UJ | 1.85 UJ | 6.47 UJ | 1.04 UJ | 1.04 UJ | 12.9 UJ |
| Bromodichloromethane | ~ | 1.34 U | 1.34 U | 1.34 U | 1.34 U | 2.39 U | 8.37 U | 1.34 U | 1.34 U | 16.7 U |
| Bromoethene | ~ | 0.874 U | 0.874 U | 0.874 U | 0.874 U | 1.56 U | 5.47 U | 0.874 U | 0.874 U | 10.9 U |
| Bromoform | ~ | 2.07 U | 2.07 U | 2.07 U | 2.07 U | 3.69 U | 12.9 U | 2.07 U | 2.07 U | 25.8 U |
| Bromomethane | ~ | 0.777 U | 0.777 U | 0.777 U | 0.777 U | 1.39 U | 4.85 U | 0.777 U | 0.777 U | 9.71 U |
| Carbon Disulfide | ~ | 0.623 U | 0.623 U | 0.623 U | 25.7 U | 5.57 U | 3.89 U | 1.38 U | 1.19 U | 10.7 U |
| Carbon Tetrachloride | 6 | 1.26 U | 1.26 U | 1.26 U | 1.26 U | 2.25 U | 7.86 U | 1.26 U | 1.26 U | 15.7 U |
| Chlorobenzene | ~ | 0.921 U | 0.921 U | 0.921 U | 0.921 U | 1.64 U | 5.76 U | 0.921 U | 0.921 U | 11.5 U |
| Chloroethane | ~ | 0.528 U | 0.528 U | 0.528 U | 0.528 U | 0.942 U | 3.3 U | 0.528 U | 0.528 U | 6.6 U |
| Chloroform | ~ | 0.977 U | 0.977 U | 6.4 U | 6.45 U | 1.79 U | 6.1 U | 5.81 U | 1.09 U | 12.2 U |
| Chloromethane | ~ | 0.892 U | 0.843 U | 0.413 U | 0.413 U | 0.737 U | 2.58 U | 0.413 U | 0.413 U | 5.16 U |
| Cis-1,2-Dichloroethene | 6 | 0.793 U | 0.793 U | 0.793 U | 0.793 U | 1.42 U | 4.96 U | 0.793 U | 0.793 U | 9.91 U |
| Cis-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 0.908 U | 0.908 U | 1.62 U | 5.67 U | 0.908 U | 0.908 U | 11.3 U |
| Cyclohexane | ~ | 0.706 U | 0.688 U | 0.688 U | 0.688 U | 1.23 U | 4.3 U | 5.16 U | 1.03 U | 1,540 U |
| Dibromochloromethane | ~ | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 3.04 U | 10.6 U | 1.7 U | 1.7 U | 21.3 U |
| Dichlorodifluoromethane | ~ | 2.07 U | 2.09 U | 1.66 U | 2.18 U | 1.77 U | 6.18 U | 0.989 U | 1.47 U | 12.4 U |
| Ethanol | ~ | 20.2 U | 9.42 U | 9.42 U | 9.42 U | 16.8 U | 58.8 U | 9.42 U | 9.42 U | 118 U |
| Ethyl Acetate | ~ | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 3.22 U | 11.2 U | 1.8 U | 1.8 U | 22.5 U |
| Ethylbenzene | ~ | 1.17 U | 0.869 U | 0.869 U | 0.869 U | 1.55 U | 5.43 U | 0.869 U | 2.95 U | 10.9 U |
| Hexachlorobutadiene | ~ | 2.13 U | 2.13 U | 2.13 U | 2.13 U | 3.81 U | 13.3 U | 2.13 U | 2.13 U | 26.7 U |
| Isopropanol | ~ | 2.61 U | 1.98 U | 1.23 U | 1.23 U | 2.43 U | 18.6 U | 2 U | 1.23 U | 20.4 U |
| M,P-Xylene | ~ | 3.17 U | 1.74 U | 1.74 U | 1.74 U | 3.1 U | 10.9 U | 1.74 U | 9.08 U | 21.7 U |
| Methyl Ethyl Ketone (2-Butanone) | ~ | 1.47 U | 1.47 U | 88.5 U | 22.8 U | 324 U | 1,160 U | 113 U | 181 U | 879 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | ~ | 2.05 U | 2.05 U | 2.05 U | 2.05 U | 3.66 U | 12.8 U | 2.05 U | 2.3 U | 25.6 U |
| Methylene Chloride | 100 | 1.74 U | 1.74 U | 1.74 U | 1.74 U | 3.1 U | 10.8 U | 1.74 U | 1.74 U | 21.7 U |
| n-Heptane | ~ | 1.07 U | 0.82 U | 0.82 U | 0.82 U | 2.04 U | 5.12 U | 1.35 U | 4.14 U | 42.2 U |
| n-Hexane | ~ | 1.74 U | 0.789 U | 0.705 U | 0.705 U | 1.65 U | 4.69 U | 2.08 U | 2.36 U | 1,190 U |
| o-Xylene (1,2-Dimethylbenzene) | ~ | 1.25 U | 0.869 U | 0.869 U | 0.869 U | 1.55 U | 5.43 U | 0.869 U | 3.57 U | 10.9 U |
| Styrene | ~ | 0.852 U | 0.852 U | 0.852 U | 0.852 U | 1.52 U | 5.32 U | 0.852 U | 0.852 U | 10.6 U |
| Tert-Butyl Alcohol | ~ | 1.52 U | 1.52 U | 1.52 U | 1.52 U | 2.71 U | 9.46 U | 1.52 U | 1.52 U | 18.9 U |
| Tert-Butyl Methyl Ether | ~ | 0.721 U | 0.721 U | 0.721 U | 0.721 U | 1.69 U | 4.51 U | 0.721 U | 0.937 U | 9.01 U |
| Tetrachloroethene (PCE) | 100 | 1.36 U | 1.36 U | 22.4 U | 9.9 U | 2.42 U | 8.48 U | 7.93 U | 7.73 U | 17 U |
| Tetrahydrofuran | ~ | 1.47 U | 1.47 U | 1.47 U | 6.99 U | 2.63 U | 9.2 U | 1.47 U | 24.5 U | 18.4 U |
| Toluene | ~ | 5.31 U | 0.754 U | 0.754 U | 0.765 U | 1.35 U | 4.71 U | 0.754 U | 2.71 U | 9.42 U |
| Total Xylenes | ~ | 4.43 U | 0.869 U | 0.869 U | 0.869 U | 1.55 U | 5.43 U | 0.869 U | 12.6 U | 10.9 U |
| Trans-1,2-Dichloroethene | ~ | 0.793 U | 0.793 U | 0.793 U | 0.793 U | 1.42 U | 4.96 U | 0.793 U | 0.793 U | 9.91 U |
| Trans-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 0.908 U | 0.908 U | 1.62 U | 5.67 U | 0.908 U | 0.908 U | 11.3 U |
| Trichloroethene (TCE) | 6 | 1.07 U | 1.07 U | 1.07 U | 1.07 U | 1.92 U | 6.72 U | 1.07 U | 1.07 U | 13.4 U |
| Trichlorofluoromethane | ~ | 1.12 U | 1.12 U | 2.05 U | 1.12 U | 2.01 U | 7.02 U | 1.12 U | 1.12 U | 43.9 U |
| Vinyl Chloride | 6 | 0.511 U | 0.511 U | 0.511 U | 0.511 U | 0.913 U | 3.2 U | 0.511 U | 0.511 U | 6.39 U |

Table 7
Remedial Investigation Report
Remedial Investigation Soil Vapor Analytical Results Summary

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

| Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs) Sample Type | NYSDOH Decision Matrices Minimum Concentrations | AMBIENT-1 085_AMBIENT-1 L2038163-01 9/14/2020 --- AA | AMBIENT-2 095_AMBIENT-2 L2038163-11 9/15/2020 --- AA | LSV-12 090_LSV-12 L2038163-06 9/14/2020 8 SV | LSV-13 086_LSV-13 L2038163-02 9/14/2020 3 SV | LSV-13 087_DUP-1 L2038163-03 9/14/2020 3 SV | LSV-14 096_LSV-14 L2038163-12 9/15/2020 4 SV | LSV-15 098_LSV-15 L2038163-14 9/15/2020 3 SV | LSV-16 094_LSV-16 L2038163-10 9/14/2020 3.5 SV | LSV-17 089_LSV-17 L2038163-05 9/14/2020 7.5 SV | LSV-18 088_LSV-18 L2038163-04 9/14/2020 4 SV |
|---|---|---|---|---|---|--|---|---|---|---|---|
| Volatile Organic Compounds (µg/m³) | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 100 | 1.09 U | 1.09 U | 3.41 U | 1.95 U | 1.95 U | 5.46 U | 1.09 U | 2.73 U | 2.18 U | 1.36 U |
| 1,1,2,2-Tetrachloroethane | ~ | 1.37 U | 1.37 U | 4.29 U | 2.45 U | 2.45 U | 6.87 U | 1.37 U | 3.43 U | 2.75 U | 1.72 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ~ | 1.53 U | 1.53 U | 4.79 U | 2.74 U | 2.74 U | 7.66 U | 1.53 U | 3.83 U | 3.07 U | 1.92 U |
| 1,1,2-Trichloroethane | ~ | 1.09 U | 1.09 U | 3.41 U | 1.95 U | 1.95 U | 5.46 U | 1.09 U | 2.73 U | 2.18 U | 1.36 U |
| 1,1-Dichloroethane | ~ | 0.809 U | 0.809 U | 2.53 U | 1.44 U | 1.44 U | 4.05 U | 0.809 U | 2.02 U | 1.62 U | 1.01 U |
| 1,1-Dichloroethene | 6 | 0.793 U | 0.793 U | 2.48 U | 1.42 U | 1.42 U | 3.96 U | 0.793 U | 1.98 U | 1.59 U | 0.991 U |
| 1,2,4-Trichlorobenzene | ~ | 1.48 U | 1.48 U | 4.64 U | 2.65 U | 2.65 U | 7.42 U | 1.48 U | 3.71 U | 2.97 U | 1.86 U |
| 1,2,4-Trimethylbenzene | ~ | 1.59 U | 0.983 U | 3.07 U | 1.91 U | 1.76 U | 4.92 U | 0.983 U | 3.53 U | 1.97 U | 1.23 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | ~ | 1.54 U | 1.54 U | 4.8 U | 2.74 U | 2.74 U | 7.69 U | 1.54 U | 3.84 U | 3.07 U | 1.92 U |
| 1,2-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 3.76 U | 2.15 U | 2.15 U | 6.01 U | 1.2 U | 3.01 U | 2.4 U | 1.5 U |
| 1,2-Dichloroethane | ~ | 0.809 U | 0.809 U | 2.53 U | 1.44 U | 1.44 U | 4.05 U | 0.809 U | 2.02 U | 1.62 U | 1.01 U |
| 1,2-Dichloropropane | ~ | 0.924 U | 0.924 U | 2.89 U | 1.65 U | 1.65 U | 4.62 U | 0.924 U | 2.31 U | 1.85 U | 1.16 U |
| 1,2-Dichlorotetrafluoroethane | ~ | 1.4 U | 1.4 U | 4.37 U | 2.5 U | 2.5 U | 6.99 U | 1.4 U | 3.49 U | 2.8 U | 1.75 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | ~ | 0.983 U | 0.983 U | 3.07 U | 1.76 U | 1.76 U | 4.92 U | 0.983 U | 2.46 U | 1.97 U | 1.23 U |
| 1,3-Butadiene | ~ | 0.535 U | 0.442 U | 1.38 U | 0.79 U | 0.79 U | 2.21 U | 0.442 U | 1.11 U | 0.885 U | 0.553 U |
| 1,3-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 3.76 U | 2.15 U | 2.15 U | 6.01 U | 1.2 U | 3.01 U | 2.4 U | 1.5 U |
| 1,4-Dichlorobenzene | ~ | 1.2 U | 1.2 U | 3.76 U | 2.15 U | 2.15 U | 6.01 U | 1.2 U | 3.01 U | 2.4 U | 1.5 U |
| 1,4-Dioxane (P-Dioxane) | ~ | 0.721 U | 0.721 U | 2.25 U | 1.29 U | 1.29 U | 3.6 U | 0.721 U | 1.8 U | 1.44 U | 0.901 U |
| 2,2,4-Trimethylpentane | ~ | 2.52 U | 1.64 U | 2.92 U | 1.67 U | 1.67 U | 4.67 U | 0.934 U | 2.34 U | 1.87 U | 1.17 U |
| 2-Hexanone | ~ | 0.82 U | 0.82 U | 78.7 U | 33.9 U | 44.3 U | 5.33 U | 2.46 U | 50.4 U | 46.3 U | 44.7 U |
| 4-Ethyltoluene | ~ | 0.983 U | 0.983 U | 3.07 U | 1.76 U | 1.76 U | 4.92 U | 0.983 U | 2.46 U | 1.97 U | 1.23 U |
| Acetone | ~ | 7.22 U | 3.75 U | 259 U | 217 U | 224 U | 20.6 U | 2.38 U | 66 U | 77.4 U | 116 U |
| Allyl Chloride (3-Chloropropene) | ~ | 0.626 U | 0.626 U | 1.96 U | 1.12 U | 1.12 U | 3.13 U | 0.626 U | 1.57 U | 1.25 U | 0.783 U |
| Benzene | ~ | 3.48 U | 0.802 U | 2.27 U | 1.14 U | 1.14 U | 3.19 U | 0.639 U | 1.6 U | 1.28 U | 0.799 U |
| Benzyl Chloride | ~ | 1.04 U | 1.04 U | 3.24 U | 1.85 U | 1.85 U | 5.18 U | 1.04 U | 2.59 U | 2.07 U | 1.29 U |
| Bromodichloromethane | ~ | 1.34 U | 1.34 U | 4.19 U | 2.39 U | 2.39 U | 6.7 U | 1.34 U | 3.35 U | 2.68 U | 1.67 U |
| Bromoethene | ~ | 0.874 U | 0.874 U | 2.73 U | 1.56 U | 1.56 U | 4.37 U | 0.874 U | 2.19 U | 1.75 U | 1.09 U |
| Bromoform | ~ | 2.07 U | 2.07 U | 6.46 U | 3.69 U | 3.69 U | 10.3 U | 2.07 U | 5.17 U | 4.14 U | 2.58 U |
| Bromomethane | ~ | 0.777 U | 0.777 U | 2.43 U | 1.39 U | 1.39 U | 3.88 U | 0.777 U | 1.94 U | 1.55 U | 0.971 U |
| Carbon Disulfide | ~ | 0.623 U | 0.623 U | 50.1 U | 8.91 U | 6.26 U | 3.11 U | 0.623 U | 1.56 U | 1.25 U | 0.779 U |
| Carbon Tetrachloride | 6 | 1.26 U | 1.26 U | 3.93 U | 2.25 U | 2.25 U | 6.29 U | 1.26 U | 3.15 U | 2.52 U | 1.57 U |
| Chlorobenzene | ~ | 0.921 U | 0.921 U | 2.88 U | 1.64 U | 1.64 U | 4.61 U | 0.921 U | 2.3 U | 1.84 U | 1.15 U |
| Chloroethane | ~ | 0.528 U | 0.528 U | 1.65 U | 0.942 U | 0.942 U | 2.64 U | 0.528 U | 1.32 U | 1.06 U | 0.66 U |
| Chloroform | ~ | 0.977 U | 0.977 U | 4.18 U | 8.35 U | 8.4 U | 11.1 U | 1.31 U | 2.44 U | 47 U | 48.3 U |
| Chloromethane | ~ | 0.892 U | 0.843 U | 1.29 U | 0.737 U | 0.737 U | 2.07 U | 0.413 U | 1.03 U | 0.826 U | 0.516 U |
| Cis-1,2-Dichloroethene | 6 | 0.793 U | 0.793 U | 2.48 U | 1.42 U | 1.42 U | 3.96 U | 0.793 U | 1.98 U | 1.59 U | 0.991 U |
| Cis-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 2.84 U | 1.62 U | 1.62 U | 4.54 U | 0.908 U | 2.27 U | 1.82 U | 1.13 U |
| Cyclohexane | ~ | 0.706 U | 0.688 U | 3.86 U | 1.58 U | 1.62 U | 3.44 U | 0.688 U | 1.72 U | 1.38 U | 0.861 U |
| Dibromochloromethane | ~ | 1.7 U | 1.7 U | 5.32 U | 3.04 U | 3.04 U | 8.52 U | 1.7 U | 4.26 U | 3.41 U | 2.13 U |
| Dichlorodifluoromethane | ~ | 2.09 U | 2.09 U | 3.09 U | 1.77 U | 1.77 U | 4.94 U | 1.85 U | 2.47 U | 2.07 U | 1.69 U |
| Ethanol | ~ | 20.2 U | 9.42 U | 29.4 U | 21.5 U | 20.2 U | 47.1 U | 9.42 U | 23.6 U | 18.8 U | 12.6 U |
| Ethyl Acetate | ~ | 1.8 U | 1.8 U | 5.62 U | 3.22 U | 3.22 U | 9.01 U | 1.8 U | 4.5 U | 3.6 U | 2.25 U |
| Ethylbenzene | ~ | 1.17 U | 0.869 U | 2.71 U | 1.55 U | 1.55 U | 4.34 U | 0.869 U | 2.17 U | 1.74 U | 1.09 U |
| Hexachlorobutadiene | ~ | 2.13 U | 2.13 U | 6.67 U | 3.81 U | 3.81 U | 10.7 U | 2.13 U | 5.33 U | 4.27 U | 2.67 U |
| Isopropanol | ~ | 2.61 U | 1.98 U | 3.83 U | 4.97 U | 5.14 U | 6.15 U | 1.23 U | 3.07 U | 2.46 U | 2.35 U |
| M,P-Xylene | ~ | 3.17 U | 1.74 U | 5.43 U | 3.1 U | 3.1 U | 8.69 U | 1.74 U | 4.34 U | 3.47 U | 2.17 U |
| Methyl Ethyl Ketone (2-Butanone) | ~ | 1.47 U | 1.47 U | 6.28 U | 3.54 U | 4.19 U | 61.3 U | 8.79 U | 434 U | 401 U | 275 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | ~ | 2.05 U | 2.05 U | 6.39 U | 3.66 U | 3.66 U | 10.2 U | 2.05 U | 5.12 U | 4.1 U | 2.56 U |
| Methylene Chloride | 100 | 1.74 U | 1.74 U | 5.42 U | 3.1 U | 3.1 U | 8.69 U | 1.74 U | 4.34 U | 3.47 U | 2.17 U |
| n-Heptane | ~ | 1.07 U | 0.82 U | 4.84 U | 2 U | 2.21 U | 4.1 U | 0.82 U | 2.05 U | 1.64 U | 1.53 U |
| n-Hexane | ~ | 1.74 U | 0.789 U | 9.76 U | 2.03 U | 2.11 U | 3.52 U | 0.705 U | 1.76 U | 1.43 U | 1.04 U |
| o-Xylene (1,2-Dimethylbenzene) | ~ | 1.25 U | 0.869 U | 2.71 U | 1.55 U | 1.55 U | 4.34 U | 0.869 U | 2.17 U | 1.74 U | 1.09 U |
| Styrene | ~ | 0.852 U | 0.852 U | 2.66 U | 1.52 U | 1.52 U | 4.26 U | 0.852 U | 2.13 U | 1.7 U | 1.06 U |
| Tert-Butyl Alcohol | ~ | 1.52 U | 1.52 U | 4.73 U | 2.71 U | 2.71 U | 7.58 U | 1.52 U | 3.79 U | 3.03 U | 1.89 U |
| Tert-Butyl Methyl Ether | ~ | 0.721 U | 0.721 U | 2.25 U | 1.29 U | 1.29 U | 3.61 U | 0.721 U | 1.8 U | 1.44 U | 0.901 U |
| Tetrachloroethene (PCE) | 100 | 1.36 U | 1.36 U | 10.1 U | 62.6 U | 64.9 U | 6.78 U | 9.22 U | 9.7 U | 37.5 U | 27.9 U |
| Tetrahydrofuran | ~ | 1.47 U | 1.47 U | 4.6 U | 2.63 U | 2.63 U | 7.37 U | 1.47 U | 3.69 U | 2.95 U | 1.84 U |
| Toluene | ~ | 5.31 U | 1.93 U | 3.58 U | 1.43 U | 1.35 U | 3.77 U | 0.754 U | 1.88 U | 1.51 U | 0.942 U |
| Total Xylenes | ~ | 4.43 U | 0.869 U | 2.71 U | 1.55 U | 1.55 U | 4.34 U | 0.869 U | 2.17 U | 1.74 U | 1.09 U |
| Trans-1,2-Dichloroethene | ~ | 0.793 U | 0.793 U | 2.48 U | 1.42 U | 1.42 U | 3.96 U | 0.793 U | 1.98 U | 1.59 U | 0.991 U |
| Trans-1,3-Dichloropropene | ~ | 0.908 U | 0.908 U | 2.84 U | 1.62 U | 1.62 U | 4.54 U | 0.908 U | 2.27 U | 1.82 U | 1.13 U |
| Trichloroethene (TCE) | 6 | 1.07 U | 1.07 U | 3.36 U | 1.92 U | 1.92 U | 5.37 U | 1.07 U | 2.69 U | 2.15 U | 1.34 U |
| Trichlorofluoromethane | ~ | 1.12 U | 1.12 U | 9.5 U | 2.01 U | 2.01 U | 5.62 U | 1.12 U | 2.81 U | 5.29 U | 22.4 U |
| Vinyl Chloride | 6 | 0.511 U | 0.511 U | 1.6 U | 0.913 U | 0.913 U | 2.56 U | 0.511 U | 1.28 U | 1.02 U | 0.639 U |

Table 7
Remedial Investigation Report
Remedial Investigation Soil Vapor Analytical Results Summary

280 West 155th Street
New York, New York
NYSDEC BCP Site No.: C231138
Langan Project No.: 100765102

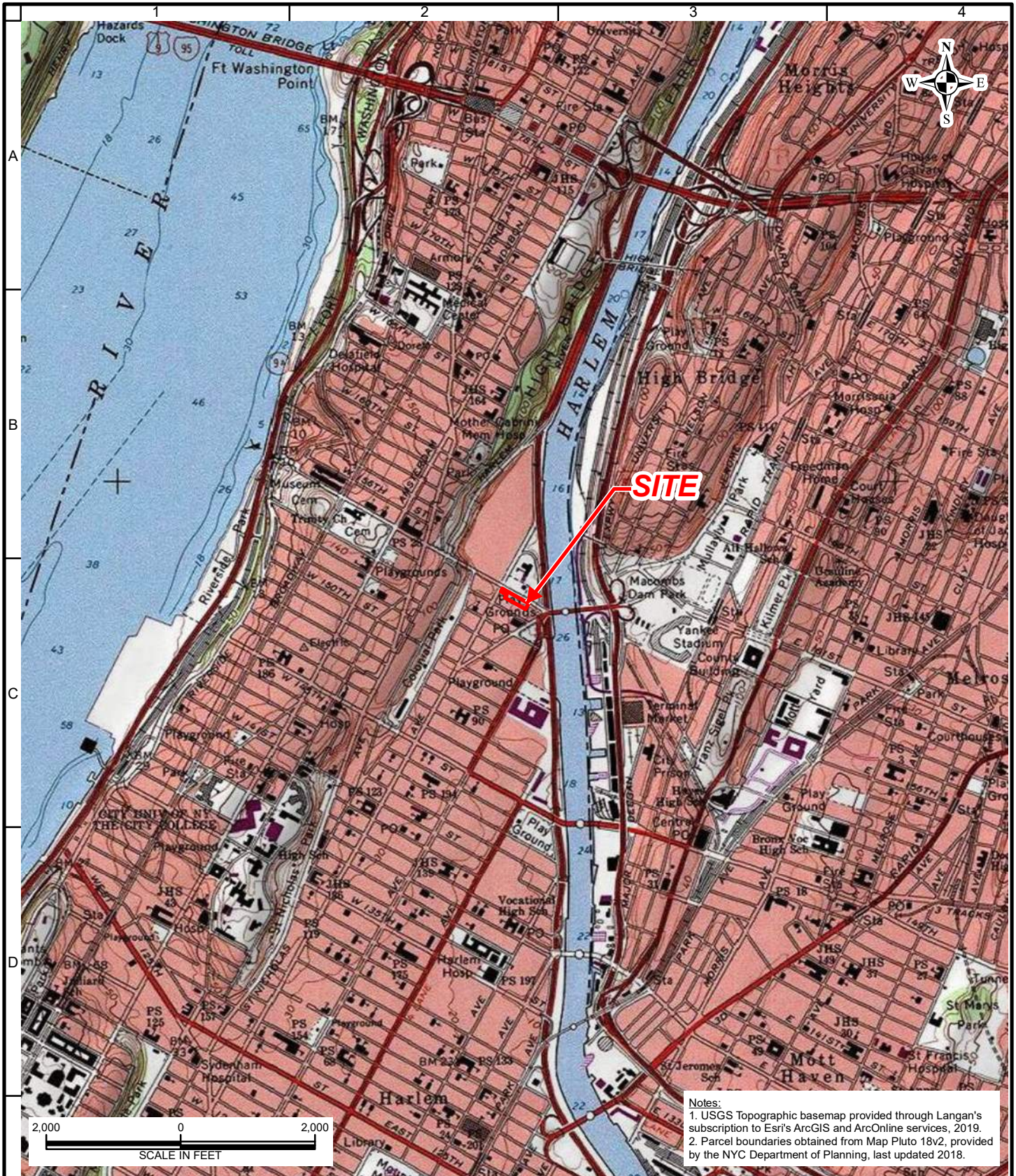
Notes:

1. Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
2. Ambient air sample analytical results are shown for reference only.
3. Only detected analytes are shown in the table.
4. Detected analytical results above the minimum soil vapor concentrations recommending mitigation are bolded and shaded.
5. Analytical results with reporting limits (RL) above the minimum soil vapor concentrations recommending mitigation are italicized.
6. Sample 087_DUP-1 is a duplicate of parent sample 086_LSV-13.
7. ~ = Regulatory limit for this analyte does not exist
8. ug/m³= micrograms per cubic meter
9. AA = Ambient Air
10. SV = Soil Vapor
11. bgs = below ground surface

Qualifiers:

- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

FIGURES



Notes:
 1. USGS Topographic basemap provided through Langan's subscription to Esri's ArcGIS and ArcOnline services, 2019.
 2. Parcel boundaries obtained from Map Pluto 18v2, provided by the NYC Department of Planning, last updated 2018.

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Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying,
 Landscape Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

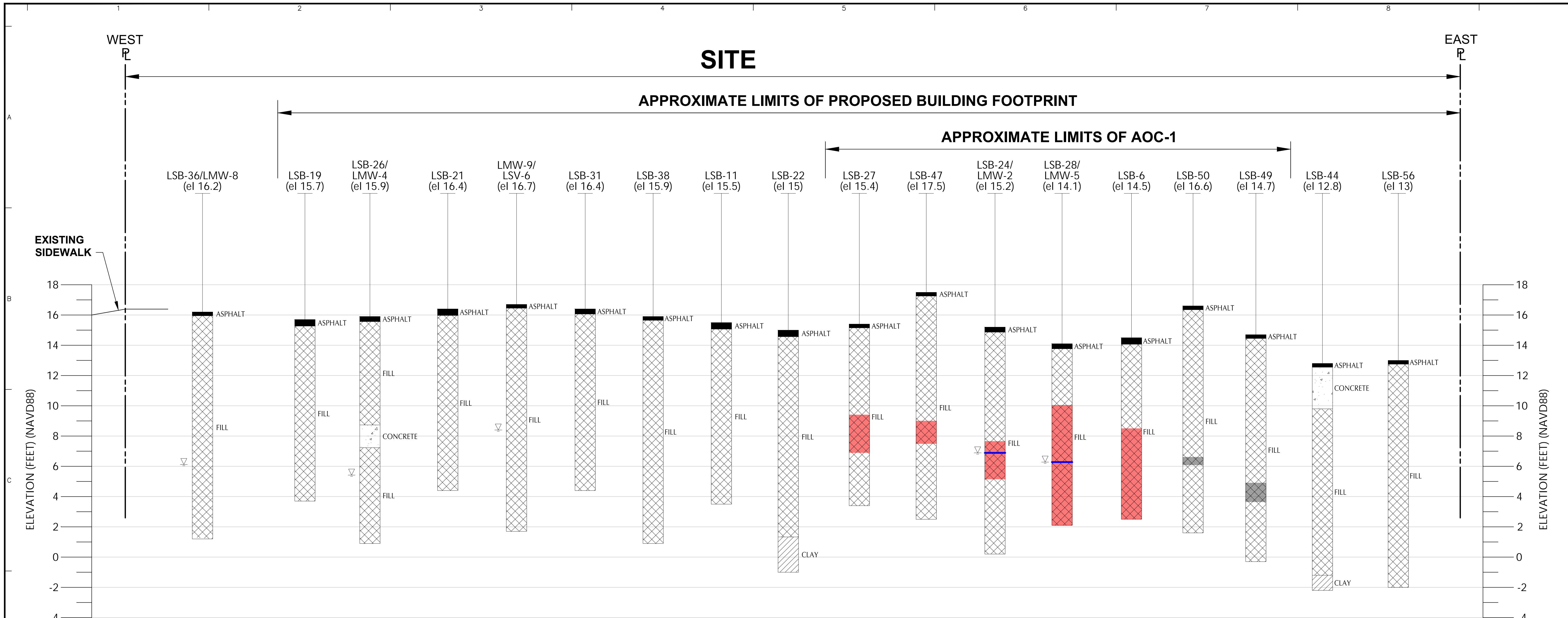
Project
**280 WEST 155TH STREET
 DEVELOPMENT**
 NYSDEC BCP Site No.: C231138

BLOCK No. 2040, LOT No. 48
 (Former Lots 48, 61 and 62)

MANHATTAN NEW YORK

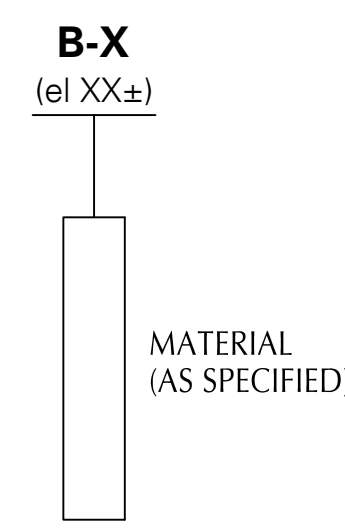
Drawing Title
**SITE LOCATION
 MAP**

| | |
|--------------------------|----------|
| Project No. 100765102 | 1 |
| Date 12/30/2020 | |
| Scale 1" = 2,000' | |
| Drawn By IHB | |



DRILLED BORING PROFILE A-A'
 VERTICAL SCALE: 1" = 3"
 HORIZONTAL SCALE: NOT TO SCALE

BORING KEY:

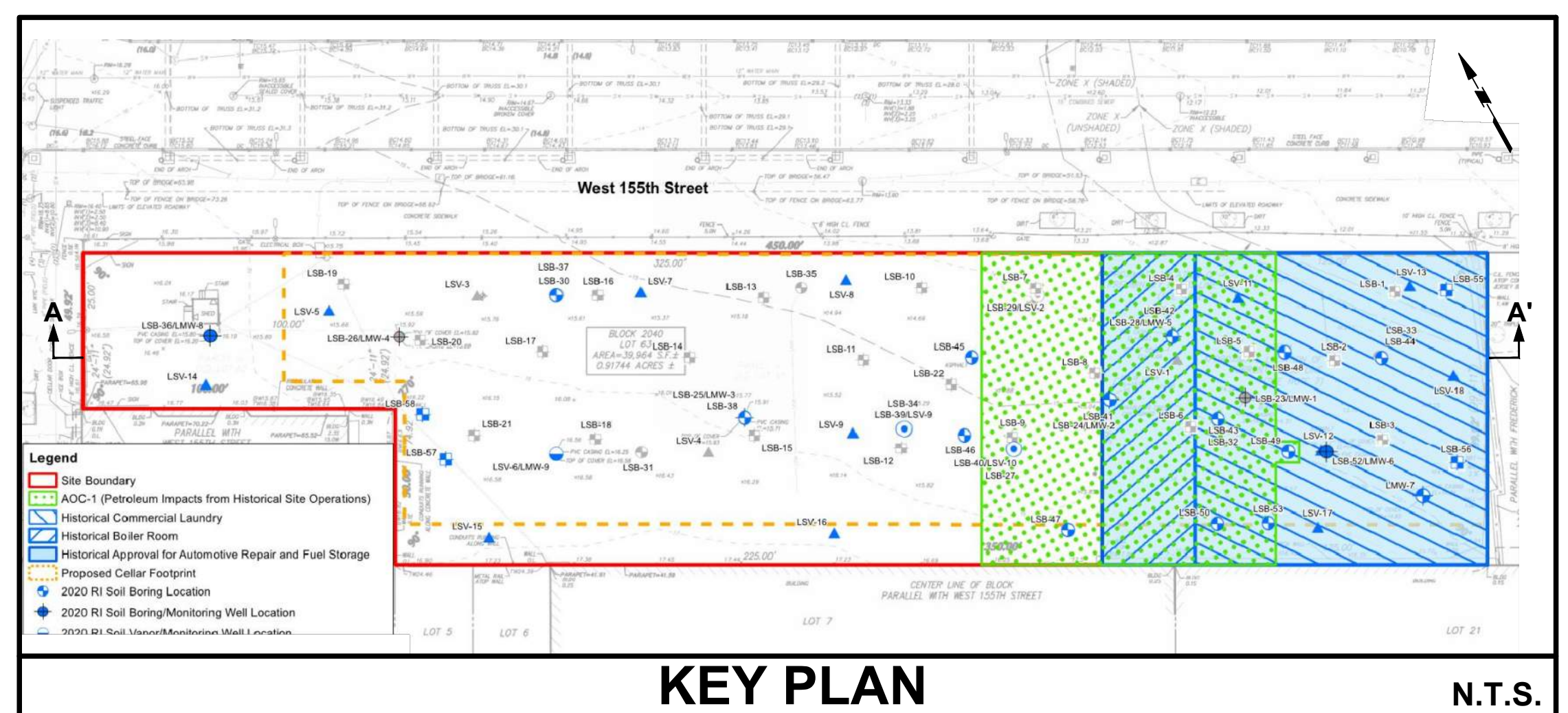


LEGEND:

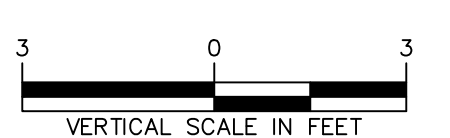
- B-X DRILLED BORING IDENTIFICATION
- el XX± APPROXIMATE SURFACE ELEVATION AT THE TIME OF BORING (NAVD88)
- ▽ GROUNDWATER IN MONITORING WELL
- PETROLEUM IMPACTS OBSERVED WITHIN SOIL BORING
- PRODUCT OBSERVED DURING MONITORING WELL GAUGING

NOTES:

1. THIS PROFILE SHOWS GENERALIZED SUBSURFACE CONDITIONS AT THE RESPECTIVE BORING LOCATIONS. VARIATIONS IN SUBSURFACE CONDITIONS SHOULD BE EXPECTED BETWEEN BORINGS. FOR A DETAILED DESCRIPTION OF CONDITIONS ENCOUNTERED, SEE BORING LOGS INCLUDED IN APPENDIX B AND APPENDIX H.
2. ALL BORING LOCATIONS ARE APPROXIMATE. GROUND SURFACE ELEVATIONS ARE INFERRED FROM FROM A 19 AUGUST 2020 DRAFT DRAWING ENTITLED "TOPOGRAPHIC, BOUNDARY AND UTILITY SURVEY", PREPARED BY LANGAN. MONITORING WELL LOCATIONS WERE SURVEYED USING GPS LOCATING TECHNIQUES AND ARE ALSO SHOWN ON THE ASSOCIATED SURVEY.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88.
4. EVIDENCE OF PETROLEUM IMPACTS INCLUDE THE PRESENCE OF PRODUCT, SHEEN, ODOR, AND/OR ELEVATED PID READINGS.
5. ENVIRONMENTAL SOIL BORINGS LSB-1 THROUGH LSB-22 WERE COMPLETED BETWEEN 25 AND 26 MARCH 2019 AS PART OF THE 2019 PRE-CHARACTERIZATION INVESTIGATION. LSB-23 THROUGH LSB-35 WERE COMPLETED BETWEEN 30 AND 31 MAY 2019 AS PART OF THE 2019 PHASE II EI, AND LSB-36 THROUGH LSB-54 AS WELL AS LMW-7 AND LMW-9 WERE COMPLETED BETWEEN 28 AUGUST 2020 AND 2 SEPTEMBER 2020 AS PART OF THE 2020 REMEDIAL INVESTIGATION.



WARNING:
 IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

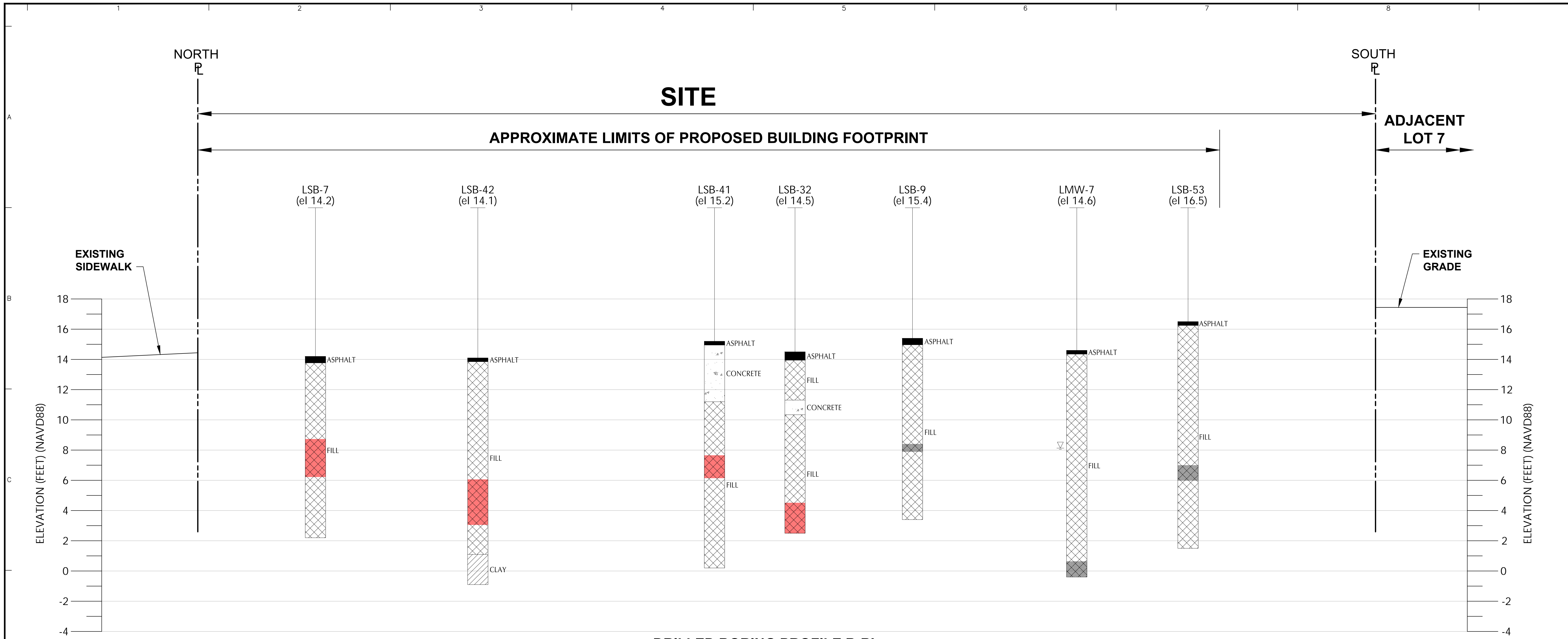


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 NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
280 WEST 155TH STREET
DEVELOPMENT
 NYSDEC BCP Site No.: C231138
 BLOCK No. 2040, LOT No. 48
 (Former Lots 48, 61 and 62)
 MANHATTAN NEW YORK

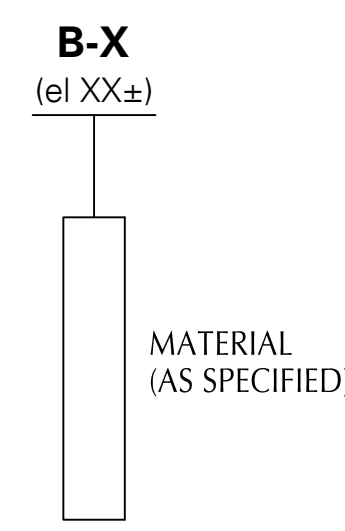
Drawing Title
DRILLED BORING
PROFILE A-A'

| | | | |
|-------------|------------|-------------|----|
| Project No. | 100765102 | Drawing No. | 2A |
| Date | 11/09/2020 | | |
| Drawn By | AC | | |
| Checked By | AK | | |



DRILLED BORING PROFILE B-B'
 VERTICAL SCALE: 1" = 3'
 HORIZONTAL SCALE: NOT TO SCALE

BORING KEY:

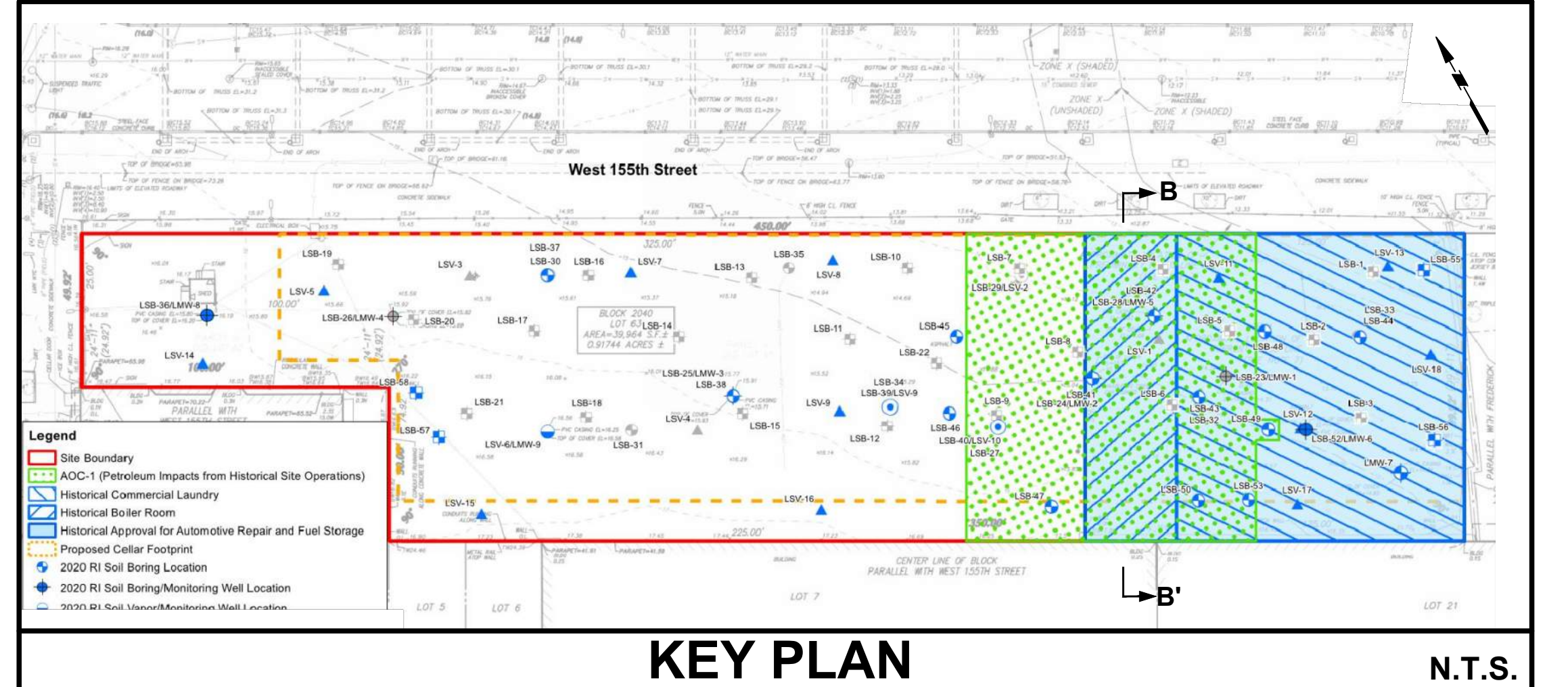


LEGEND:

- B-X DRILLED BORING IDENTIFICATION
- el XX± APPROXIMATE SURFACE ELEVATION AT THE TIME OF BORING (NAVD88)
- GROUNDWATER IN MONITORING WELL
- PETROLEUM IMPACTS OBSERVED WITHIN SOIL BORING
- PRODUCT OBSERVED DURING MONITORING WELL GAUGING

NOTES:

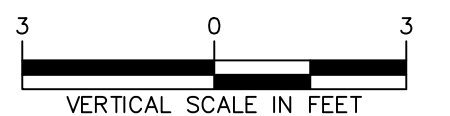
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2. ALL BORING LOCATIONS ARE APPROXIMATE. GROUND SURFACE ELEVATIONS ARE INFERRED FROM FROM A 19 AUGUST 2020 DRAFT DRAWING ENTITLED 'TOPOGRAPHIC, BOUNDARY AND UTILITY SURVEY', PREPARED BY LANGAN. MONITORING WELL LOCATIONS WERE SURVEYED USING GPS LOCATING TECHNIQUES AND ARE ALSO SHOWN ON THE ASSOCIATED SURVEY.
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KEY PLAN

N.T.S.

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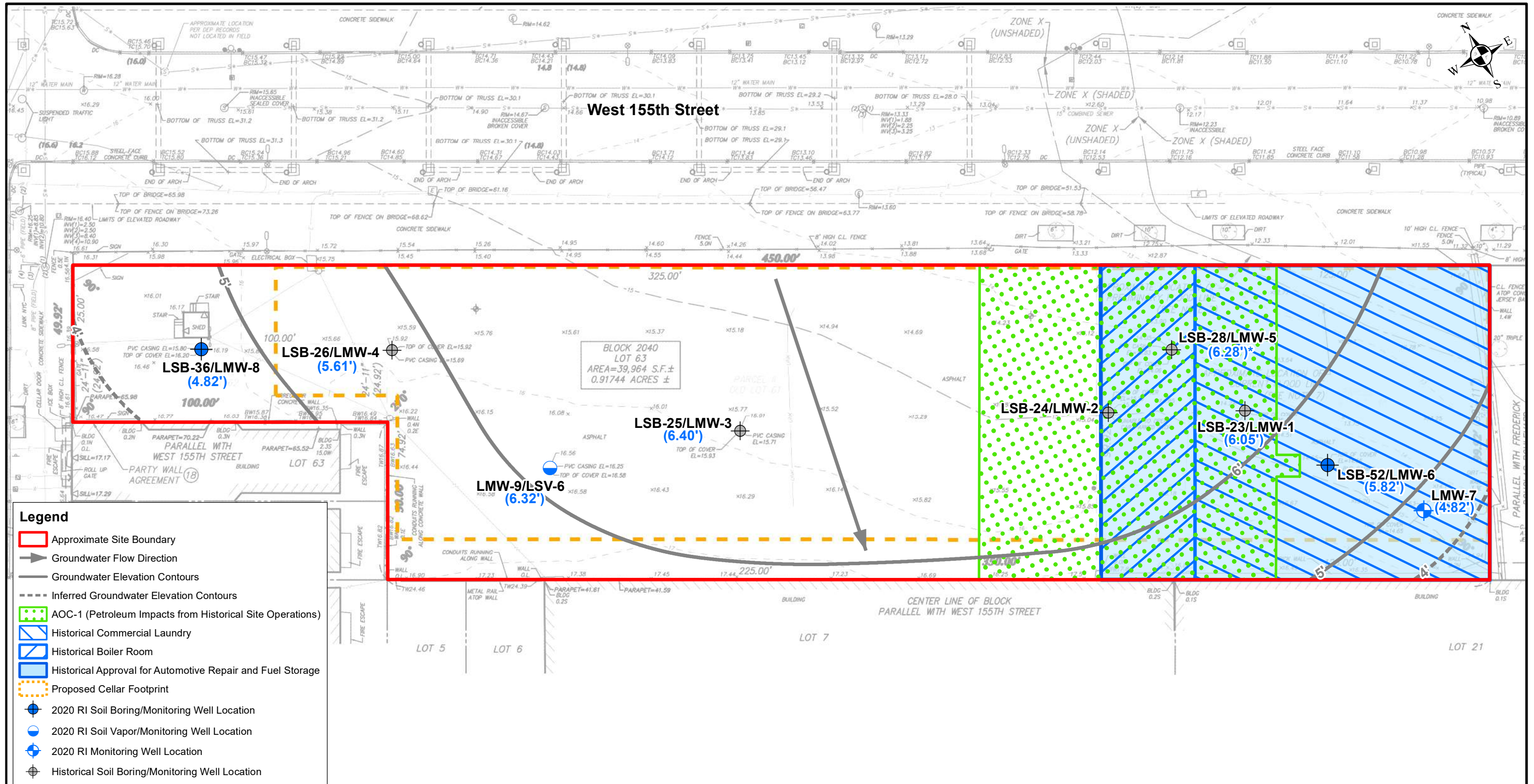


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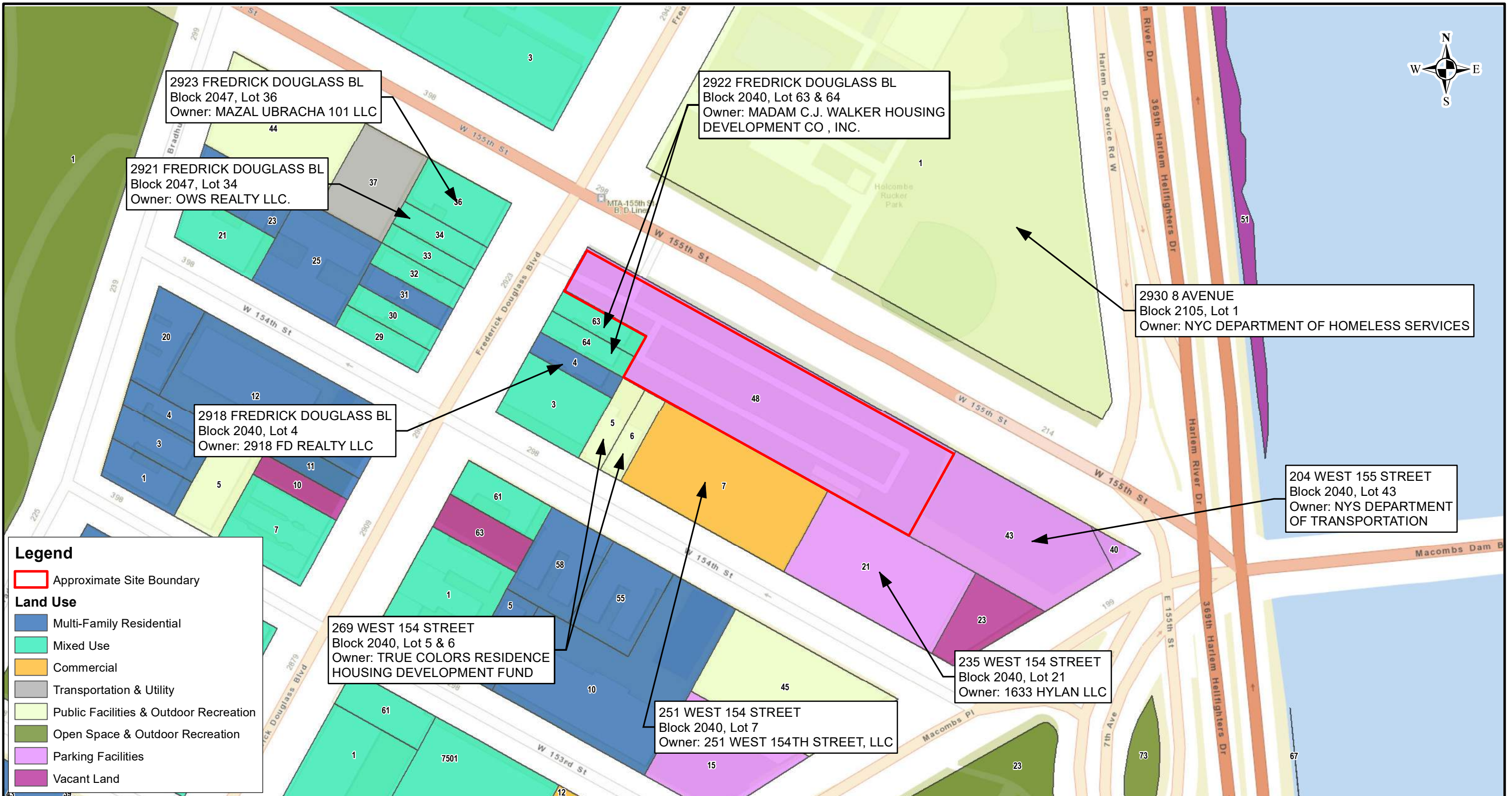
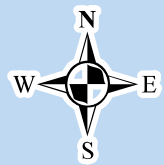
Project
280 WEST 155TH STREET
 DEVELOPMENT
 NYSDEC BCP Site No.: C231138
 BLOCK No. 2040, LOT No. 48
 (Former Lots 48, 61 and 62)
 MANHATTAN NEW YORK

Drawing Title
DRILLED BORING
PROFILE B-B'

| | | | |
|-------------|------------|-------------|----|
| Project No. | 100765102 | Drawing No. | 2B |
| Date | 11/09/2020 | | |
| Drawn By | AC | | |
| Checked By | AK | | |



| | | | | |
|--|--|--|---|------------------------|
| <p>300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com</p> <p>Langan Engineering & Environmental Services, Inc. Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Langan International LLC Collectively known as Langan</p> <p>NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400</p> | <p>Project</p> <p>280 WEST 155TH STREET DEVELOPMENT NYSDEC BCP Site No.: C231138</p> <p>BLOCK No. 2040, LOT No. 48 (Former Lots 48, 61 and 62)</p> <p>MANHATTAN NEW YORK</p> | <p>Drawing Title</p> <p>POTENTIOMETRIC SURFACE MAP</p> | <p>Project No.</p> <p>100765102</p> <p>Date</p> <p>12/30/2020</p> <p>Scale</p> <p>1" = 30'</p> <p>Drawn By</p> <p>ATR</p> | <p>Figure</p> <p>3</p> |
| | <p>Path: \\Langan.com\data\PAR\data\1100765102\Project Data\ArcGISMXD\Environmental_Figures\2020-11 - RIR\Figure 3 - Potentiometric Surface Map.mxd Date: 12/30/2020 User: aruane Time: 6:05:54 PM</p> | | | |



2923 FREDRICK DOUGLASS BL
Block 2047, Lot 36
Owner: MAZAL UBRACHA 101 LLC

2921 FREDRICK DOUGLASS BL
Block 2047, Lot 34
Owner: OWS REALTY LLC.

2922 FREDRICK DOUGLASS BL
Block 2040, Lot 63 & 64
Owner: MADAM C.J. WALKER HOUSING
DEVELOPMENT CO , INC.

2930 8 AVENUE
Block 2105, Lot 1
Owner: NYC DEPARTMENT OF HOMELESS SERVICES

2918 FREDRICK DOUGLASS BL
Block 2040, Lot 4
Owner: 2918 FD REALTY LLC

204 WEST 155 STREET
Block 2040, Lot 43
Owner: NYS DEPARTMENT
OF TRANSPORTATION

269 WEST 154 STREET
Block 2040, Lot 5 & 6
Owner: TRUE COLORS RESIDENCE
HOUSING DEVELOPMENT FUND

235 WEST 154 STREET
Block 2040, Lot 21
Owner: 1633 HYLAN LLC

251 WEST 154 STREET
Block 2040, Lot 7
Owner: 251 WEST 154TH STREET, LLC

Legend

Approximate Site Boundary

Land Use

- Multi-Family Residential
- Mixed Use
- Commercial
- Transportation & Utility
- Public Facilities & Outdoor Recreation
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land



Notes:
 1. World street basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
 2. Parcel information from MapPLUTO 20v6 copyrighted by the New York City Department of Planning.
 3. The Site was an active parking lot until November 2020. The Site has since been vacated

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Project

**280 WEST 155TH STREET
DEVELOPMENT**
NYSDEC BCP Site No.: C231138

BLOCK No. 2040, LOT No. 48
(Former Lots 48, 61 and 62)

MANHATTAN

NEW YORK

Drawing Title

**ADJACENT PROPERTY
AND SURROUNDING
LAND USE MAP**

Project No.
100765102

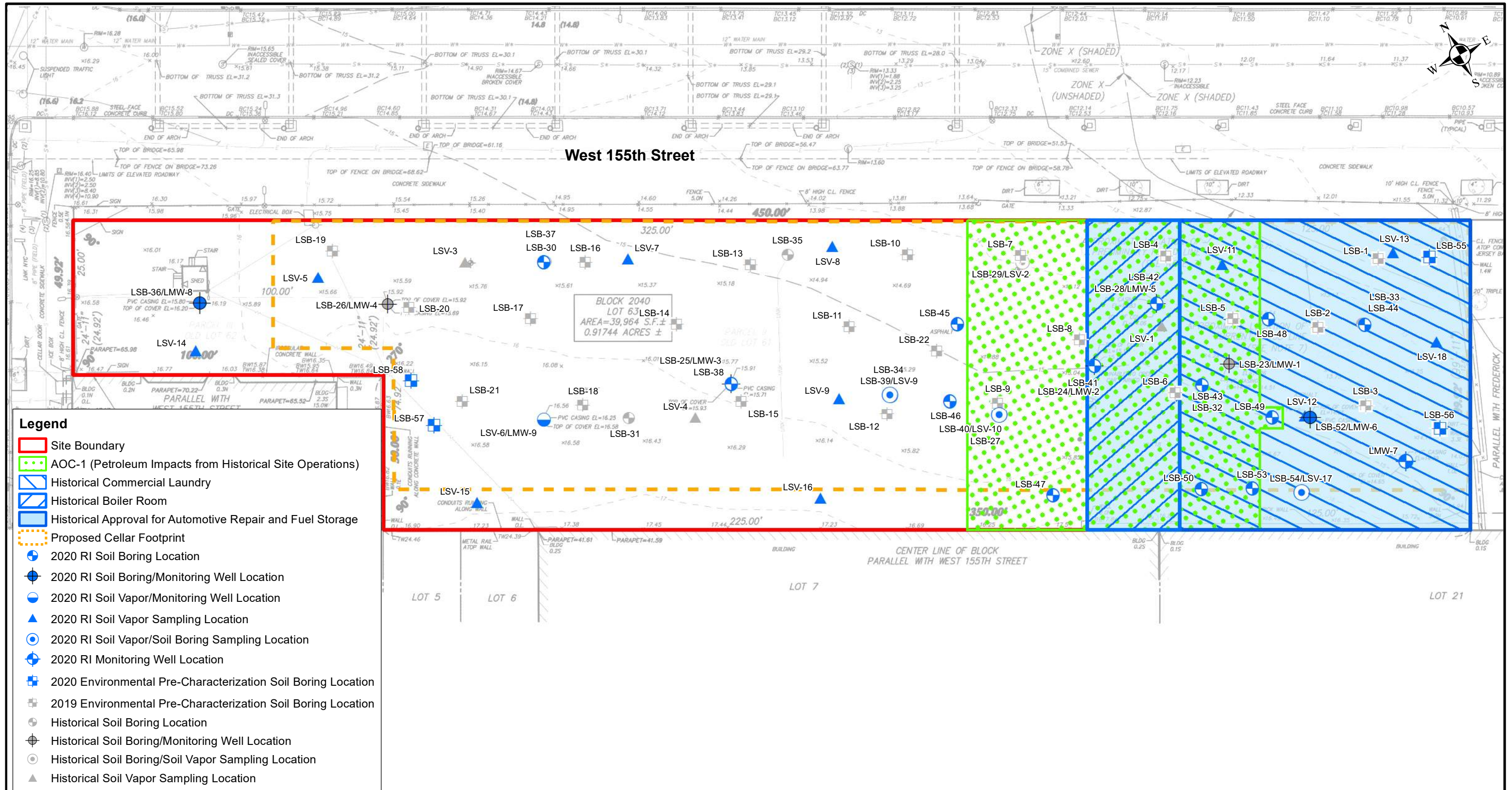
Date
12/30/2020

Scale
1" = 100'

Drawn By
ATR

Figure

4



Legend

- Site Boundary
- AOC-1 (Petroleum Impacts from Historical Site Operations)
- Historical Commercial Laundry
- Historical Boiler Room
- Historical Approval for Automotive Repair and Fuel Storage
- Proposed Cellar Footprint
- + 2020 RI Soil Boring Location
- ⊕ 2020 RI Soil Boring/Monitoring Well Location
- ⊖ 2020 RI Soil Vapor/Monitoring Well Location
- ▲ 2020 RI Soil Vapor Sampling Location
- ⊙ 2020 RI Soil Vapor/Soil Boring Sampling Location
- ⊕ 2020 RI Monitoring Well Location
- ⊞ 2020 Environmental Pre-Characterization Soil Boring Location
- ⊞ 2019 Environmental Pre-Characterization Soil Boring Location
- ⊕ Historical Soil Boring Location
- ⊕ Historical Soil Boring/Monitoring Well Location
- ⊙ Historical Soil Boring/Soil Vapor Sampling Location
- ▲ Historical Soil Vapor Sampling Location

Notes:
 1. Site boundary from Topographic, Boundary, and Utility Survey prepared by Langan dated 19 August 2020.
 2. Proposed Cellar Footprint shown according to site plan SOE Overall Plan SOE-100 prepared by Ancora Engineering PLLC as part of the support of excavation package dated 6 November 2020.
 3. Sample locations for the Pre-Characterization were collected using field measurements taken from the nearest property line. Sample locations for the Phase II and RI were collected using the ArcGIS Collector application on a tablet utilizing GPS location, with the exception of monitoring wells which were surveyed using GPS measurements.
 4. AOC-2 (Chlorinated VOC Impacts from Historical Site Operations) and AOC-3 (Historical Filling Associated with Harlem River) encompass the entire Site footprint.
 5. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 were collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.



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Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying,
 Landscape Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
**280 WEST 155TH STREET
 DEVELOPMENT**
 NYSDEC BCP Site No.: C231138

BLOCK No. 2040, LOT No. 48
 (Former Lots 48, 61 and 62)

NEW YORK
 NEW JERSEY

Drawing Title
SITE PLAN

| | | |
|-------------|-----------|----------|
| Project No. | 100765102 | 5 |
| Date | 1/13/2021 | |
| Scale | 1" = 30' | |
| Drawn By | ATR | |

Table for Sample ID 014_LSB-31, Sample Date 5/31/2019, Sample Depth 7-9 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (ND), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (ND), Anthracene (ND), Benzo(a)anthracene (0.062 J), Benzo(a)pyrene (0.065 J), Benzo(b)fluoranthene (0.083 J), Benzo(k)fluoranthene (ND), Chrysene (0.06 J), Dibenz(a,h)anthracene (ND), Dibenzofuran (0.12 J), Fluoranthene (ND), Fluorene (0.09 J), Indeno(1,2,3-cd)pyrene (ND), Naphthalene (0.058 J), Phenanthrene (ND), Phenol (0.1 J), and Pyrene (0.1 J).

Table for Sample ID 013_LSB-30, Sample Date 5/31/2019, Sample Depth 6-8 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.0086 J), 3 & 4 Methylphenol (m&p Cresol) (0.22 J), Acenaphthene (1), Anthracene (3.9), Benzo(a)anthracene (7.1), Benzo(a)pyrene (5.6), Benzo(b)fluoranthene (7.3), Benzo(k)fluoranthene (2.6), Chrysene (6.5), Dibenz(a,h)anthracene (0.84), Dibenzofuran (1.8), Fluoranthene (14), Fluorene (2.1), Indeno(1,2,3-cd)pyrene (3), Naphthalene (4.5), Phenanthrene (16), Phenol (0.17 J), and Pyrene (11).

Table for Sample ID 006_LSB-27, Sample Date 5/31/2019, Sample Depth 6-8 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (ND), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (0.47 J), Anthracene (ND), Benzo(a)anthracene (0.56 J), Benzo(a)pyrene (ND), Benzo(b)fluoranthene (ND), Benzo(k)fluoranthene (ND), Chrysene (1.1 J), Dibenz(a,h)anthracene (ND), Dibenzofuran (0.28 J), Fluoranthene (0.41 J), Fluorene (0.93 J), Indeno(1,2,3-cd)pyrene (ND), Naphthalene (ND), Phenanthrene (0.92 J), Phenol (ND), and Pyrene (1.3 J).

Table for Sample ID 012_LSB-29, Sample Date 5/31/2019, Sample Depth 3-5 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (ND), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (0.052 J), Anthracene (0.11 J), Benzo(a)anthracene (0.53), Benzo(a)pyrene (0.58), Benzo(b)fluoranthene (0.75), Benzo(k)fluoranthene (0.22), Chrysene (0.51), Dibenz(a,h)anthracene (0.091 J), Dibenzofuran (0.027 J), Fluoranthene (1), Fluorene (0.036 J), Indeno(1,2,3-cd)pyrene (0.43), Naphthalene (0.044 J), Phenanthrene (0.63), Phenol (ND), and Pyrene (0.87).

Table for Sample ID 008_LSB-28, Sample Date 5/31/2019, Sample Depth 6-8 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.48 J), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (5), Anthracene (3.3), Benzo(a)anthracene (2.8), Benzo(a)pyrene (2 J), Benzo(b)fluoranthene (1.5 J), Benzo(k)fluoranthene (ND), Chrysene (5.4), Dibenz(a,h)anthracene (ND), Dibenzofuran (ND), Fluoranthene (2.7), Fluorene (6.9), Indeno(1,2,3-cd)pyrene (1.5 J), Naphthalene (1.4 J), Phenanthrene (19), Phenol (ND), and Pyrene (8.2).

Table for Sample ID 005_LSB-26, Sample Date 5/30/2019, Sample Depth 8.5-10.5 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.0063 J), 3 & 4 Methylphenol (m&p Cresol) (0.18 J), Acenaphthene (0.068 J), Anthracene (0.64), Benzo(a)anthracene (0.58), Benzo(a)pyrene (4), Benzo(b)fluoranthene (3.4), Benzo(k)fluoranthene (0.85), Chrysene (0.72), Dibenz(a,h)anthracene (0.61), Dibenzofuran (0.063 J), Fluoranthene (0.8), Fluorene (0.061 J), Indeno(1,2,3-cd)pyrene (4.5), Naphthalene (0.41), Phenanthrene (0.41), Phenol (0.08 J), and Pyrene (0.67).

Table for Sample ID 016_LSB-33, Sample Date 5/31/2019, Sample Depth 5-7 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.021 J), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (0.028 J), Anthracene (0.25), Benzo(a)anthracene (0.97), Benzo(a)pyrene (1.1), Benzo(b)fluoranthene (0.35), Benzo(k)fluoranthene (0.79), Chrysene (0.15), Dibenz(a,h)anthracene (0.029 J), Dibenzofuran (1.6), Fluoranthene (0.026 J), Fluorene (0.73), Indeno(1,2,3-cd)pyrene (0.12 J), Naphthalene (0.56), Phenanthrene (ND), Phenol (ND), and Pyrene (1.4).

Table for Sample ID 004_LSB-25, Sample Date 5/30/2019, Sample Depth 7.5-9.5 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.037), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (0.1 J), Anthracene (0.57), Benzo(a)anthracene (3.6), Benzo(a)pyrene (4.5), Benzo(b)fluoranthene (5.2), Benzo(k)fluoranthene (1.6), Chrysene (3.3), Dibenz(a,h)anthracene (0.57), Dibenzofuran (0.17 J), Fluoranthene (5.7), Fluorene (0.086 J), Indeno(1,2,3-cd)pyrene (3.1), Naphthalene (0.68), Phenanthrene (1.6), Phenol (ND), and Pyrene (5.4).

Table for Sample ID 017_LSB-34, Sample Date 5/31/2019, Sample Depth 6-8 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.019 J), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (0.8 J), Anthracene (4.5), Benzo(a)anthracene (14), Benzo(a)pyrene (16), Benzo(b)fluoranthene (20), Benzo(k)fluoranthene (5.5), Chrysene (13), Dibenz(a,h)anthracene (2.5), Dibenzofuran (0.71 J), Fluoranthene (27), Fluorene (0.79 J), Indeno(1,2,3-cd)pyrene (11), Naphthalene (1.9), Phenanthrene (14), Phenol (ND), and Pyrene (25).

Table for Sample ID 002_LSB-24, Sample Date 5/30/2019, Sample Depth 7.5-9.5 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (ND), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (1.2), Anthracene (0.68), Benzo(a)anthracene (0.48 J), Benzo(a)pyrene (0.41 J), Benzo(b)fluoranthene (0.29 J), Benzo(k)fluoranthene (ND), Chrysene (1), Dibenz(a,h)anthracene (ND), Dibenzofuran (0.72 J), Fluoranthene (1.41 J), Fluorene (0.8), Indeno(1,2,3-cd)pyrene (ND), Naphthalene (0.28 J), Phenanthrene (0.21 J), Phenol (ND), and Pyrene (1.4).

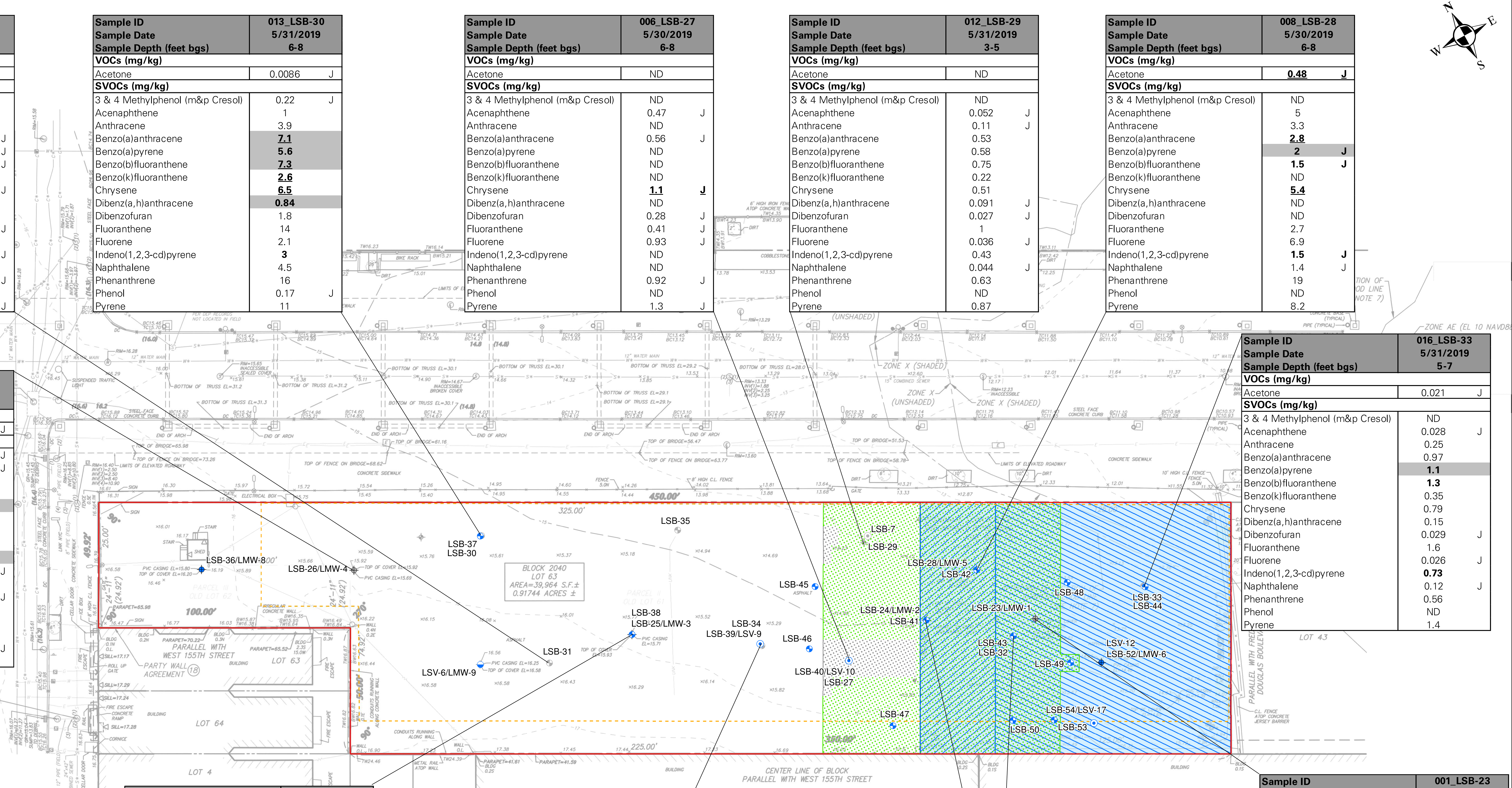
Table for Sample ID 003_DUP-1, Sample Date 5/30/2019, Sample Depth 7.5-9.5 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (ND), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (1), Anthracene (0.56 J), Benzo(a)anthracene (0.39 J), Benzo(a)pyrene (0.36 J), Benzo(b)fluoranthene (0.24 J), Benzo(k)fluoranthene (ND), Chrysene (0.91), Dibenz(a,h)anthracene (ND), Dibenzofuran (0.6 J), Fluoranthene (0.28 J), Fluorene (1.5), Indeno(1,2,3-cd)pyrene (ND), Naphthalene (0.19 J), Phenanthrene (ND), Phenol (ND), and Pyrene (1.3).

Table for Sample ID 015_LSB-32, Sample Date 5/31/2019, Sample Depth 10-12 feet bgs. Lists VOCs and SVOCs concentrations, including Acetone (0.032 J), 3 & 4 Methylphenol (m&p Cresol) (ND), Acenaphthene (ND), Anthracene (0.22 J), Benzo(a)anthracene (0.43 J), Benzo(a)pyrene (0.46 J), Benzo(b)fluoranthene (0.5 J), Benzo(k)fluoranthene (ND), Chrysene (0.44 J), Dibenz(a,h)anthracene (ND), Dibenzofuran (ND), Fluoranthene (0.5 J), Fluorene (ND), Indeno(1,2,3-cd)pyrene (0.58 J), Naphthalene (0.15 J), Phenanthrene (0.26 J), Phenol (ND), and Pyrene (0.67).

Table with columns for Analyte, CAS Number, NYSDEC Part 375 Unrestricted Use SCOs, NYSDEC Part 375 Restricted Use Commercial SCOs, and NYSDEC Part 375 Protection of Groundwater SCOs. Lists VOCs and SVOCs with their respective numerical values and detection status.

Notes: 1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Commercial and Protection of Groundwater Soil Cleanup Objectives (SCO). 2. Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol). 3. Sample 003_DUP-1 is a duplicate sample of 002_LSB-24. 4. bgs = below grade surface. 5. mg/kg = milligrams per kilogram. 6. ND = Not Detected.

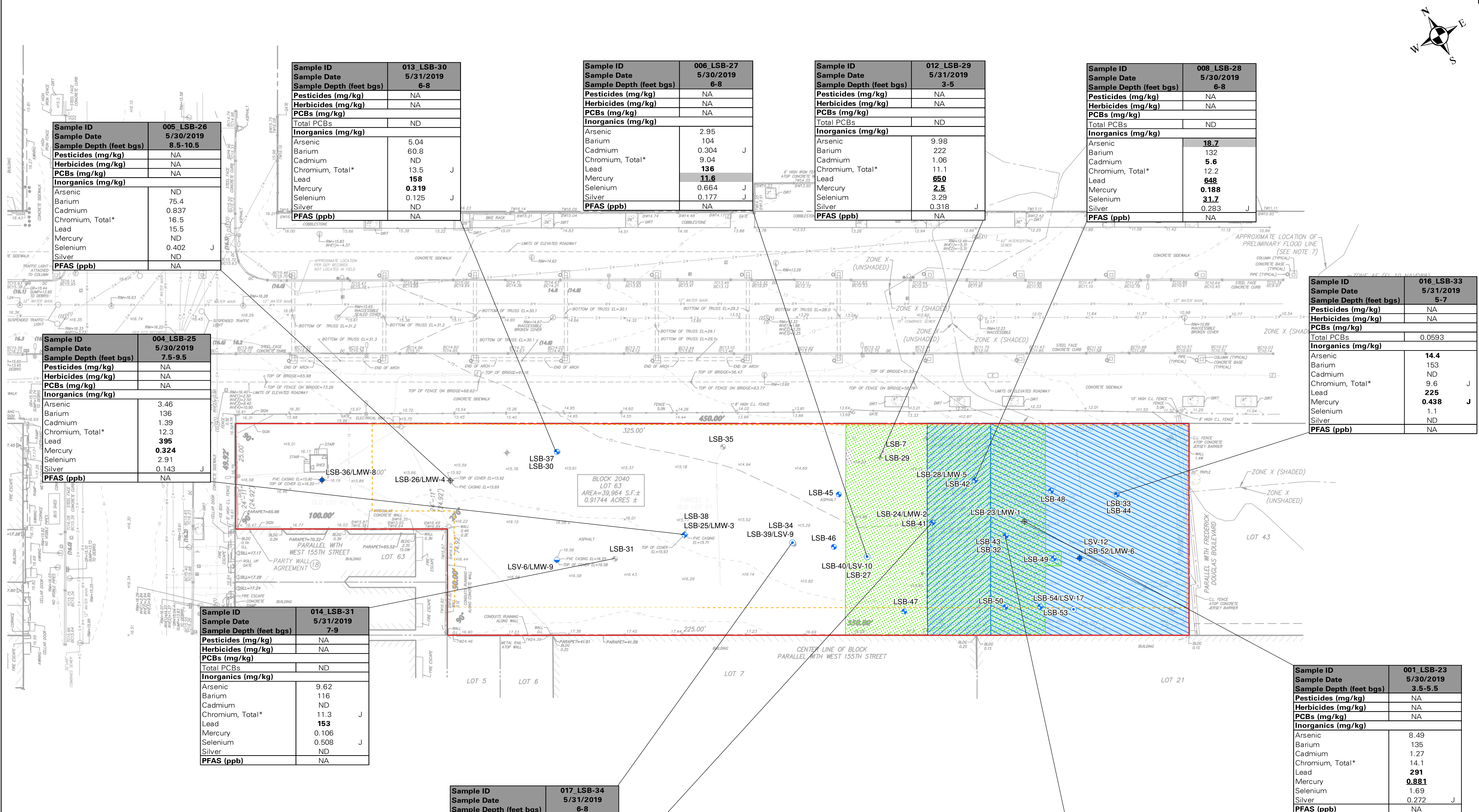
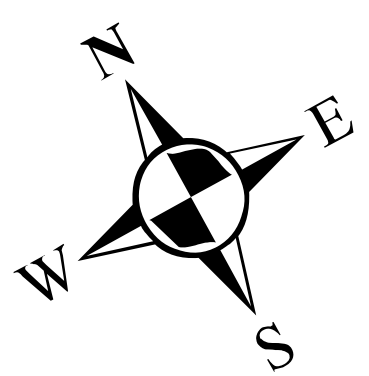
Qualifiers: J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample. Legend: Approximate Site Boundary, AOC-1 (Petroleum Impacts from Historical Site Operations), Historical Commercial Laundry, Historical Boiler Room, Historical Approval for Automotive Repair and Fuel Storage, Proposed Cellar Footprint, 2020 RI Soil Boring Location, 2020 RI Soil Boring/Monitoring Well Location, 2020 RI Soil Vapor/Monitoring Well Location, 2020 RI Soil Vapor/Soil Boring Sampling Location, 2019 Phase II El Soil Boring Location, 2019 Phase II El Soil Boring/Monitoring Well Location, 2019 Phase II El Soil Boring/Soil Vapor Sampling Location.



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Project: 280 WEST 155TH STREET DEVELOPMENT NYSDEC BCP Site No.: C231138 BLOCK No. 2040, LOT No. 48 (Former Lots 48, 61 and 62) MANHATTAN NEW YORK

Drawing Title: PHASE II SOIL ANALYTICAL RESULTS - VOCs AND SVOCs Project No: 100785102 Date: 4/8/2021 Scale: 1"=15' Figure: 6A



| | |
|--------------------------------|-------------------|
| Sample ID | 005 LSB-26 |
| Sample Date | 5/30/2019 |
| Sample Depth (feet bgs) | 8.5-10.5 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Inorganics (mg/kg) | |
| Arsenic | ND |
| Barium | 75.4 |
| Cadmium | 0.837 |
| Chromium, Total* | 16.5 |
| Lead | 15.5 |
| Mercury | ND |
| Selenium | 0.402 J |
| Silver | ND |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 013 LSB-30 |
| Sample Date | 5/31/2019 |
| Sample Depth (feet bgs) | 6-8 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Total PCBs | ND |
| Inorganics (mg/kg) | |
| Arsenic | 5.04 |
| Barium | 60.8 |
| Cadmium | ND |
| Chromium, Total* | 13.5 J |
| Lead | 158 |
| Mercury | 0.319 |
| Selenium | 0.125 J |
| Silver | ND |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 006 LSB-27 |
| Sample Date | 5/30/2019 |
| Sample Depth (feet bgs) | 6-8 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Inorganics (mg/kg) | |
| Arsenic | 2.95 |
| Barium | 104 |
| Cadmium | 0.304 J |
| Chromium, Total* | 9.04 |
| Lead | 136 |
| Mercury | 0.664 J |
| Selenium | 0.177 J |
| Silver | NA |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 012 LSB-29 |
| Sample Date | 5/31/2019 |
| Sample Depth (feet bgs) | 3-5 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Total PCBs | ND |
| Inorganics (mg/kg) | |
| Arsenic | 9.98 |
| Barium | 222 |
| Cadmium | 1.06 |
| Chromium, Total* | 11.1 |
| Lead | 650 |
| Mercury | 2.5 |
| Selenium | 3.29 |
| Silver | 0.318 J |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 008 LSB-28 |
| Sample Date | 5/30/2019 |
| Sample Depth (feet bgs) | 6-8 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Total PCBs | ND |
| Inorganics (mg/kg) | |
| Arsenic | 18.7 |
| Barium | 132 |
| Cadmium | 5.6 |
| Chromium, Total* | 12.2 |
| Lead | 648 |
| Mercury | 0.188 |
| Selenium | 31.7 |
| Silver | 0.283 J |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 004 LSB-25 |
| Sample Date | 5/30/2019 |
| Sample Depth (feet bgs) | 7.5-9.5 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Inorganics (mg/kg) | |
| Arsenic | 3.46 |
| Barium | 136 |
| Cadmium | 1.39 |
| Chromium, Total* | 12.3 |
| Lead | 395 |
| Mercury | 0.324 |
| Selenium | 2.91 |
| Silver | 0.143 J |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 014 LSB-31 |
| Sample Date | 5/31/2019 |
| Sample Depth (feet bgs) | 7-9 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Total PCBs | ND |
| Inorganics (mg/kg) | |
| Arsenic | 9.62 |
| Barium | 116 |
| Cadmium | ND |
| Chromium, Total* | 11.3 J |
| Lead | 153 |
| Mercury | 0.106 |
| Selenium | 0.508 J |
| Silver | ND |
| PFAS (ppb) | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 017 LSB-34 |
| Sample Date | 5/31/2019 |
| Sample Depth (feet bgs) | 6-8 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Total PCBs | ND |
| Inorganics (mg/kg) | |
| Arsenic | 3.62 |
| Barium | 113 |
| Cadmium | ND |
| Chromium, Total* | 11.9 J |
| Lead | 225 |
| Mercury | 0.444 |
| Selenium | 0.182 J |
| Silver | 0.143 J |
| PFAS (ppb) | NA |

| | | |
|--------------------------------|-------------------|------------------|
| Sample ID | 002 LSB-24 | 003 DUP-1 |
| Sample Date | 5/30/2019 | 5/30/2019 |
| Sample Depth (feet bgs) | 7.5-9.5 | 7.5-9.5 |
| Pesticides (mg/kg) | NA | NA |
| Herbicides (mg/kg) | NA | NA |
| PCBs (mg/kg) | NA | NA |
| Total PCBs | ND | NA |
| Inorganics (mg/kg) | | |
| Arsenic | 2.03 | 1.61 |
| Barium | 150 | 111 |
| Cadmium | 0.669 | 0.679 |
| Chromium, Total* | 34.1 | 32.2 |
| Lead | 477 | 421 |
| Mercury | 1.39 J | 0.083 J |
| Selenium | 0.697 J | 0.944 J |
| Silver | 0.19 J | 0.148 J |
| PFAS (ppb) | NA | NA |

| | |
|--------------------------------|-------------------|
| Sample ID | 015 LSB-32 |
| Sample Date | 5/30/2019 |
| Sample Depth (feet bgs) | 10-12 |
| Pesticides (mg/kg) | NA |
| Herbicides (mg/kg) | NA |
| PCBs (mg/kg) | NA |
| Inorganics (mg/kg) | |
| Arsenic | 7.13 |
| Barium | 142 |
| Cadmium | ND |
| Chromium, Total* | 39.6 J |
| Lead | 175 |
| Mercury | 0.709 J |
| Selenium | 2.9 |
| Silver | 0.229 J |
| PFAS (ppb) | NA |

| Analyte | CAS Number | NYSDEC Part 375 Unrestricted Use SCOs | NYSDEC Part 375 Restricted Use Commercial SCOs | NYSDEC Part 375 Protection of Groundwater SCOs |
|---------------------------|------------|---------------------------------------|--|--|
| PCBs (mg/kg) | | | | |
| Total PCBs | 1336-36-3 | 0.1 | 1 | 3.2 |
| Inorganics (mg/kg) | | | | |
| Arsenic | 7440-38-2 | 13 | 16 | 16 |
| Barium | 7440-39-3 | 350 | 400 | 820 |
| Cadmium | 7440-43-9 | 2.5 | 9.3 | 7.5 |
| Chromium, Hexavalent | 18540-29-9 | 1 | 400 | 19 |
| Chromium, Total* | 7440-47-3 | 30 | 1,500 | = |
| Chromium, Trivalent | 16065-83-1 | 30 | 1,500 | = |
| Copper | 7440-50-8 | 50 | 270 | 1,720 |
| Lead | 7439-92-1 | 63 | 1,000 | 450 |
| Mercury | 7439-97-6 | 0.18 | 2.8 | 0.73 |
| Nickel | 7440-02-0 | 30 | 310 | 130 |
| Selenium | 7782-49-2 | 3.9 | 1,500 | 4 |
| Silver | 7440-22-4 | 2 | 1,500 | 8.3 |
| Zinc | 7440-66-6 | 109 | 10,000 | 2,480 |

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Commercial and Protection of Groundwater Soil Cleanup Objectives (SCO).
2. Criterion comparisons for total chromium are provided for reference for the 2019 data. Promulgated SCOs shown are for trivalent chromium.
3. Sample 003_DUP-1 is a duplicate sample of 002_LSB-24
4. ~ = Regulatory limit for this analyte does not exist
5. bgs = below grade surface
6. mg/kg = milligrams per kilogram
7. ppb = parts per billion
8. ND = Not detected
9. NA = Not analyzed

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

Legend

- Approximate Site Boundary
- 2020 RI Soil Boring/Monitoring Well Location
- 2020 RI Soil Boring/Monitoring Well Location
- 2020 RI Soil Vapor/Monitoring Well Location
- Historical Commercial Laundry
- Historical Boiler Room
- Historical Approval for Automotive Repair and Fuel Storage
- Proposed Cellar Footprint
- 2019 Phase II EI Soil Boring Location
- 2019 Phase II EI Soil Boring/Monitoring Well Location
- 2019 Phase II EI Soil Boring/Soil Vapor Sampling Location

Notes:
1. Site boundary from Topographic, Boundary, and Utility Survey prepared by Langan dated 19 August 2020.
2. Proposed Cellar Footprint shown according to site plan SOE Overall Plan SOE-100 prepared by Arcosa Engineering PLLC as part of the support of excavation package dated 12/23/2020.
3. AOC-2 (Chlorinated VOC Impacts from Site Operations) and AOC-3 (Historical Filling Associated with Harlem River) encompasses the entire site footprint.
4. Sample locations for the Phase II EI and RI were collected using the ArcGIS Collector application on a tablet using GPS location, with the exception of monitoring wells which were surveyed using GPS measurements.



Project
280 WEST 155TH STREET
DEVELOPMENT
NYSDEC BCP Site No.: C231138

Drawing Title
PHASE II
RESULTS - PESTICIDES,
PCBS, METALS, AND PFAS

Project No.
100785102

Date
4/15/2021

Scale
1"=15'

Drawn by
IHB

Submission Date

Figure
6B

MANHATTAN **NEW YORK**

| Sample ID | 021_LMW-4 | 023_DUP-2 |
|--------------------------|-----------|-----------|
| Sample Date | 6/3/2019 | 6/3/2019 |
| VOCs (µg/L) | | |
| Tert-Butyl Methyl Ether | ND | ND |
| SVOCs (µg/L) | | |
| Benzo(a)anthracene | 0.09 J | 0.1 J |
| Benzo(a)pyrene | 0.09 J | 0.12 J |
| Benzo(b)fluoranthene | ND | 0.14 J |
| Benzo(k)fluoranthene | ND | 0.05 J |
| Chrysene | ND | 0.09 J |
| Indeno(1,2,3-cd)pyrene | 0.08 J | 0.11 J |
| Pesticides (µg/L) | | |
| Herbicides(µg/L) | NA | NA |
| PCBs (µg/L) | | |
| Inorganics (µg/L) | | |
| Lead | 5.62 J | 4.2 J |
| PFAS (ng/L) | | |
| | NA | NA |

| Sample ID | 018_LMW-2 |
|--------------------------|-----------|
| Sample Date | 6/3/2019 |
| VOCs (µg/L) | |
| Tert-Butyl Methyl Ether | 2.9 |
| SVOCs (µg/L) | |
| Benzo(a)anthracene | 0.06 J |
| Benzo(a)pyrene | 0.05 J |
| Benzo(b)fluoranthene | 0.07 J |
| Benzo(k)fluoranthene | 0.02 J |
| Chrysene | 0.07 J |
| Indeno(1,2,3-cd)pyrene | 0.03 J |
| Pesticides (µg/L) | |
| Herbicides(µg/L) | NA |
| PCBs (µg/L) | |
| Inorganics (µg/L) | |
| Lead | 27.93 |
| PFAS (ng/L) | |
| | NA |

| Sample ID | 020_LMW-3 |
|--------------------------|-----------|
| Sample Date | 6/3/2019 |
| VOCs (µg/L) | |
| Tert-Butyl Methyl Ether | 17 |
| SVOCs (µg/L) | |
| Benzo(a)anthracene | 0.04 J |
| Benzo(a)pyrene | 0.03 J |
| Benzo(b)fluoranthene | ND |
| Benzo(k)fluoranthene | ND |
| Chrysene | ND |
| Indeno(1,2,3-cd)pyrene | 0.03 J |
| Pesticides (µg/L) | |
| Herbicides(µg/L) | NA |
| PCBs (µg/L) | |
| Inorganics (µg/L) | |
| Lead | 3.19 |
| PFAS (ng/L) | |
| | NA |

| Sample ID | 019_LMW-1 |
|--------------------------|-----------|
| Sample Date | 6/3/2019 |
| VOCs (µg/L) | |
| Tert-Butyl Methyl Ether | 1.2 J |
| SVOCs (µg/L) | |
| Benzo(a)anthracene | 0.02 J |
| Benzo(a)pyrene | 0.03 J |
| Benzo(b)fluoranthene | ND |
| Benzo(k)fluoranthene | ND |
| Chrysene | ND |
| Indeno(1,2,3-cd)pyrene | 0.03 J |
| Pesticides (µg/L) | |
| Herbicides(µg/L) | NA |
| PCBs (µg/L) | |
| Inorganics (µg/L) | |
| Lead | 5.6 |
| PFAS (ng/L) | |
| | NA |

| Analyte | CAS Number | NYSDEC SGVs |
|--------------------------|------------|-------------|
| VOCs (µg/L) | | |
| Tert-Butyl Methyl Ether | 1634-04-4 | 10 |
| SVOCs (µg/L) | | |
| Benzo(a)anthracene | 56-55-3 | 0.002 |
| Benzo(a)pyrene | 50-32-8 | 0 |
| Benzo(b)fluoranthene | 205-99-2 | 0.002 |
| Benzo(k)fluoranthene | 207-08-9 | 0.002 |
| Chrysene | 218-01-9 | 0.002 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.002 |
| Inorganics (µg/L) | | |
| Lead | 7439-92-1 | 25 |

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Criterion comparisons for total xylenes and m,p-xylene are provided for reference. Promulgated NYSDEC SGVs are for o-xylene, m-xylene, and p-xylene.
3. Sample 023_DUP-2 is a duplicate sample of 021_LMW-4.
4. µg/L = micrograms per liter
5. ng/L = nanograms per liter
6. ND = Not detected
7. NA = Not analyzed

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

- Legend**
- Approximate Site Boundary
 - AOC-1 (Petroleum Impacts from Historical Site Operations)
 - Historical Commercial Laundry
 - Historical Boiler Room
 - Historical Approval for Automotive Repair and Fuel Storage
 - Proposed Cellar Footprint
 - Groundwater Flow Direction
 - Groundwater Elevation Contours
 - Inferred Groundwater Elevation Contours
 - 2020 RI Soil Boring/Monitoring Well Location
 - 2020 RI Soil Vapor/Monitoring Well Location
 - 2020 RI Monitoring Well Location
 - Historical Soil Boring/Monitoring Well Location

- Notes:**
1. Site boundary from Topographic, Boundary, and Utility Survey prepared by Langan dated 19 August 2020.
2. Proposed Cellar Footprint shown according to site plan SOE Overall Plan SOE-100 prepared by Ancora Engineering PLLC as part of the support of excavation package dated 6 November 2020.
3. Sample locations for the Phase II and RI were surveyed using GPS measurements.
4. AOC-2 (Chlorinated VOC Impacts from Historical Site Operations) and AOC-3 (Historical Filling Associated with Harlem River) encompass the entire Site footprint.
5. Groundwater measurements and corresponding elevations obtained on 2 September 2020.
6. LMW-5 was not sampled due to the presence of LNAPL. As such, a petroleum fingerprint sample was collected.
7. Dissolved metals were not analyzed during the 2019 Phase II EI.



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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

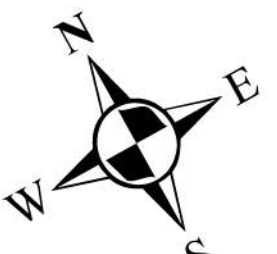
Project
**280 WEST 155TH STREET
DEVELOPMENT**
NYSDEC BCP Site No.: C231138
BLOCK No. 2040, LOT No. 48
(Former Lots 48, 61 and 62)
NEW YORK
NEW JERSEY

Drawing Title
**POTENTIOMETRIC
SURFACE MAP
AND PHASE II
GROUNDWATER
ANALYTICAL RESULTS**

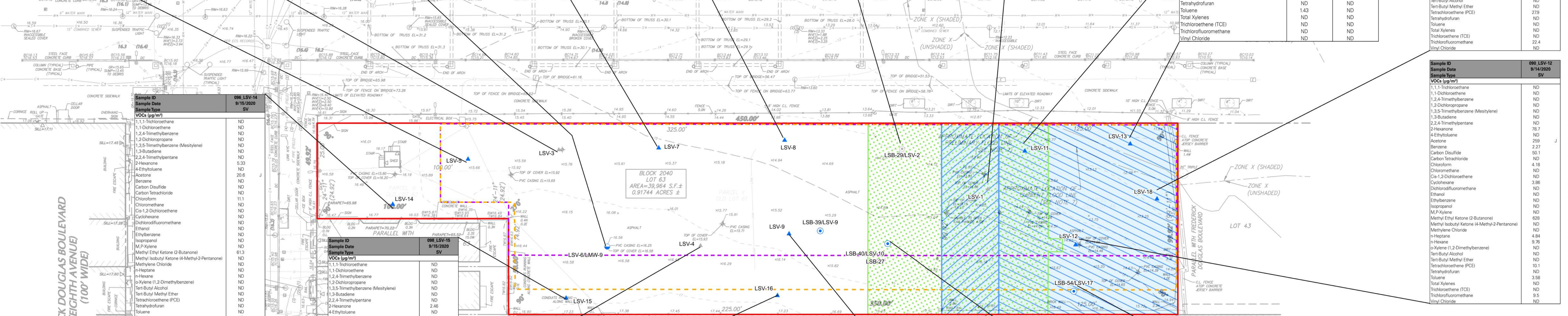
Project No.
100765102
Date
4/9/2021
Scale
1" = 25'
Drawn By
JR

Figure

7



| Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | Sample ID | Sample Date | Sample Type | | | | | | | | | |
|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-------------|-------------|------------------------|-----------|----|------------------------|-----------|----|------------------------|-----------|----|
| 097 LSV-5 | 9/15/2020 | SV | 027 LSV-3 | 6/3/2019 | SV | 099 LSV-4 | 9/14/2020 | SV | 093 LSV-7 | 9/14/2020 | SV | 092 LSV-8 | 9/14/2020 | SV | 092 LSV-2 | 6/3/2019 | SV | 095 LSV-1 | 6/3/2019 | SV | 091 LSV-11 | 9/14/2020 | SV | 098 LSV-13 | 9/14/2020 | SV | 087 DUP-1 | 9/14/2020 | SV |
| 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | 2.22 | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | | 1,1,1-Trichloroethane | ND | |
| 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | | 1,1-Dichloroethane | ND | |
| 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | 15.6 | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | | 1,2,4-Trimethylbenzene | ND | |

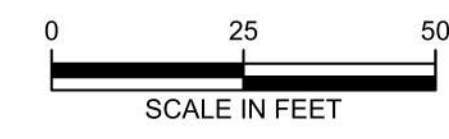


- Legend**
- 2020 RI Soil Vapor/Monitoring Well Location
 - ▲ 2020 RI Soil Vapor Sampling Location
 - 2020 RI Soil Vapor/Soil Boring Sampling Location
 - Historical Soil Boring/Soil Vapor Sampling Location
 - ▲ Historical Soil Vapor Sampling Location
 - AOC-1 (Petroleum Impacts from Historical Site Operations)
 - Historical Commercial Laundry
 - Historical Boiler Room
 - Historical Approval for Automotive Repair and Fuel Storage
 - Proposed Cellar Footprint
 - Proposed Building Footprint
 - Approximate Site Boundary
 - Proposed Cellar Footprint

| Analyte | CAS Number | NYSDOH Decision Matrices Minimum Concentrations |
|---|-------------|---|
| 1,1,1-Trichloroethane | 71-55-6 | 100 |
| 1,1-Dichloroethane | 75-35-4 | 6 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 6 |
| 1,2-Dichloropropane | 75-67-5 | 6 |
| 1,3,5-Trimethylbenzene (Mesitylene) | 108-67-8 | 6 |
| 1,3-Butadiene | 106-99-0 | 6 |
| 2,2,4-Trimethylpentane | 540-84-1 | 6 |
| 2-Hexanone | 501-76-6 | 6 |
| 4-Ethyltoluene | 622-96-8 | 6 |
| Acetone | 67-64-1 | 6 |
| Benzene | 71-43-2 | 6 |
| Carbon Disulfide | 75-10-5 | 6 |
| Carbon Tetrachloride | 69-29-5 | 6 |
| Chloroform | 67-66-3 | 6 |
| Chloromethane | 74-87-3 | 6 |
| Cis-1,2-Dichloroethane | 158-59-2 | 6 |
| Cyclohexane | 110-92-7 | 6 |
| Dichlorodifluoromethane | 75-71-6 | 6 |
| Ethanol | 64-17-5 | 6 |
| Ethylbenzene | 100-41-4 | 6 |
| Isopropanol | 67-63-0 | 6 |
| M.P.Xylene | 179601-23-1 | 6 |
| Methyl Ethyl Ketone (2-Butanone) | 79-93-3 | 6 |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | 108-10-1 | 6 |
| Methylene Chloride | 75-09-2 | 100 |
| n-Heptane | 142-92-5 | 6 |
| n-Heptane | 110-54-3 | 6 |
| o-Xylene (1,2-Dimethylbenzene) | 95-47-6 | 6 |
| Tert-Butyl Alcohol | 75-65-0 | 6 |
| Tert-Butyl Methyl Ether | 1634-04-4 | 6 |
| Tetrahydrofuran (PCE) | 127-18-4 | 6 |
| Tetrahydrofuran | 109-99-9 | 6 |
| Toluene | 108-88-3 | 6 |
| Total Xylenes | 1330-20-7 | 6 |
| Trichloroethane (TCE) | 79-01-6 | 6 |
| Trichlorofluoromethane | 75-09-4 | 6 |
| Vinyl Chloride | 75-01-4 | 6 |

Notes:

- Site boundary from Topographic, Boundary, and Utility Survey prepared by Langan dated 19 August 2020.
- Proposed Cellar Footprint shown according to site plan SOE Overall Plan SOE-100 prepared by Ancora Engineering PLLC as part of the support of excavation package dated 12/23/2020.
- Proposed Building Footprint shown according to Site Plan A-001 prepared by SGW Architects, P.C. as part of the architectural package dated 18 December 2020.
- Sample locations for the Phase II and RI were collected using the ArcGIS Collector application on a tablet utilizing GPS location, with the exception of monitoring wells which were surveyed using GPS measurements.
- AOC-2 (Chlorinated VOC Impacts from Historical Site Operations) and AOC-3 (Historical Filling Associated with Harlem River) encompass the entire site footprint.



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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC
Collectively known as Langan

Project

280 WEST 155TH STREET DEVELOPMENT

NYSDEC BCP Site No.: C231138
BLOCK NO. 2040, LOT No. 48
(Former Lots 48, 61 and 62)

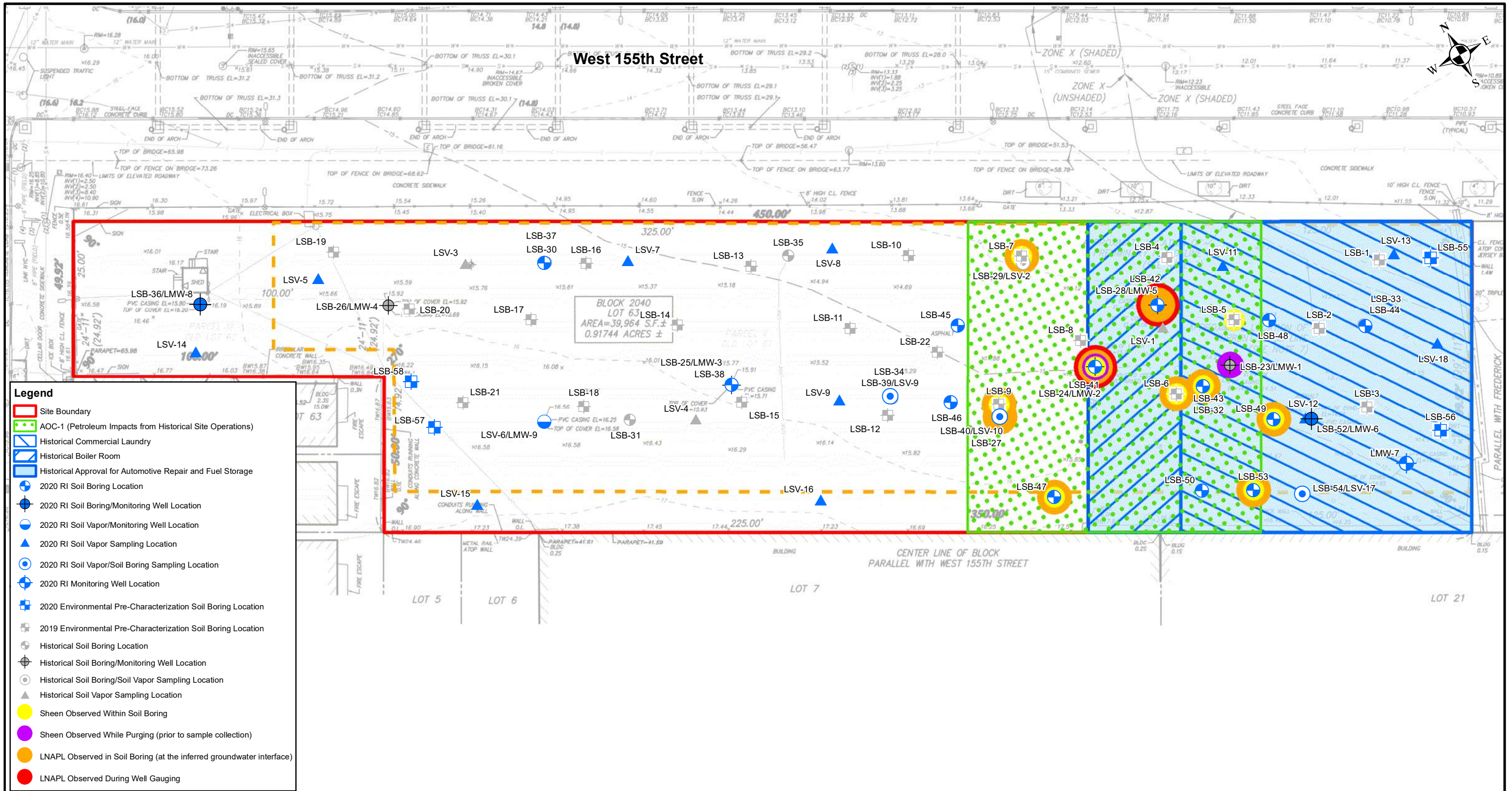
NEW YORK

Drawing Title

PHASE II AND REMEDIAL SOIL VAPOR ANALYTICAL RESULTS

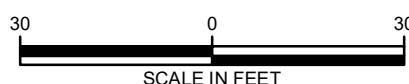
Project No. 100765102
Date 04/15/2021
Scale 1"=300'
Drawn By ELB

Figure 8



- Legend**
- Site Boundary
 - AOC-1 (Petroleum Impacts from Historical Site Operations)
 - Historical Commercial Laundry
 - Historical Boiler Room
 - Historical Approval for Automotive Repair and Fuel Storage
 - + 2020 RI Soil Boring Location
 - + 2020 RI Soil Boring/Monitoring Well Location
 - + 2020 RI Soil Vapor/Monitoring Well Location
 - ▲ 2020 RI Soil Vapor Sampling Location
 - + 2020 RI Soil Vapor/Soil Boring Sampling Location
 - + 2020 RI Monitoring Well Location
 - + 2020 Environmental Pre-Characterization Soil Boring Location
 - + 2019 Environmental Pre-Characterization Soil Boring Location
 - + Historical Soil Boring Location
 - + Historical Soil Boring/Monitoring Well Location
 - + Historical Soil Boring/Soil Vapor Sampling Location
 - ▲ Historical Soil Vapor Sampling Location
 - Sheen Observed Within Soil Boring
 - Sheen Observed While Purging (prior to sample collection)
 - LNAPL Observed in Soil Boring (at the inferred groundwater interface)
 - LNAPL Observed During Well Gauging

- Notes:**
1. Site boundary from Topographic, Boundary, and Utility Survey prepared by Langan dated 19 August 2020.
 2. Proposed Cellar Footprint shown according to site plan SOE Overall Plan SOE-100 prepared by Ancora Engineering PLLC as part of the support of excavation package dated 6 November 2020.
 3. Sample locations for the Pre-Characterization were collected using field measurements taken from the nearest property line. Sample locations for the Phase II and RI were collected using the ArcGIS Collector application on a tablet utilizing GPS location, with the exception of monitoring wells which were surveyed using GPS measurements.
 4. AOC-2 (Chlorinated VOC Impacts from Historical Site Operations) and AOC-3 (Historical Filling Associated with Harlem River) encompass the entire Site footprint.
 5. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 were collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
 6. A minor sheen was observed during purging activities at LMW-3 on 3 June 2019 during the Phase II EI, but was not observed 11 September 2020 during the RI.



| | | | | |
|---|--|--|-------------------------------------|--------------------------------|
| <p>300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com</p> <p>Langan Engineering & Environmental Services, Inc. Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Langan International LLC Collectively known as Langan</p> <p>NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400</p> | <p>Project</p> <p>280 WEST 155TH STREET DEVELOPMENT NYSDEC BCP Site No.: C231138</p> <p>BLOCK No. 2040, LOT No. 48 (Former Lots 48, 61 and 62)</p> <p>NEW YORK NEW JERSEY</p> | <p>Drawing Title</p> <p>SHEEN AND NAPL OBSERVATIONS</p> | <p>Project No.</p> <p>100765102</p> | <p>Figure</p> <p>11</p> |
| | | | <p>Date</p> <p>4/8/2021</p> | |
| | | <p>Scale</p> <p>1" = 30'</p> | | |
| | | <p>Drawn By</p> <p>ATR</p> | | |

APPENDIX A

Geophysical Report

**GEOPHYSICAL SURVEY
280W 155TH STREET
MANHATTAN, NEW YORK**

Prepared for:

Langan
300 Kimball Drive, 4th Floor
Parsippany, New jersey 07054

Prepared by:

Hager-Richter Geoscience, Inc.
8 Industrial Way - D10
Salem, New Hampshire 03079

File 19JCC101
September, 2020

HAGER-RICHTER GEOSCIENCE, INC.

GEOPHYSICS FOR THE ENGINEERING COMMUNITY
SALEM, NEW HAMPSHIRE
Tel: 603.893.9944
FORDS, NEW JERSEY
Tel: 732.661.0555

September 28, 2020
File 19JCC101

Allyson Kritzer
Senior Staff Engineer
Langan
300 Kimball Drive, 4th Floor
Parsippany, New jersey 07054-2172

Tel: 973.560.4289
Cell: 201.755.6973
Email: AKritzer@Langan.com

RE: Geophysical Survey
280 W.155th Street
Manhattan, New York

Dear Ms. Kritzer:

In this report, we summarize the results of a geophysical survey conducted by Hager-Richter Geoscience, Inc. (HRGS) at the above referenced site in Manhattan, New York for Langan in August 2020. The scope of the survey and area of interest were specified by Langan.

INTRODUCTION

The site is a currently active asphalt-paved parking lot located at 280 W. 155th street in Manhattan, New York. The general location of the site is shown in Figure 1. Langan requested a geophysical survey to determine the locations of utilities in the accessible exterior portions of the area of interest and to clear of utilities thirty-seven (37) proposed boring locations

The area of interest (AOI) measured approximately 440 feet by 100 feet. The limits of the area of interest are shown in Figure 2. We note that the parking lot was active during the time of the geophysical survey which limited the access for the sitewide survey. An effort was made to relocate as many vehicles as possible, however not all vehicles were able to be moved.

OBJECTIVE

The objective of the geophysical survey was to detect, and if detected, to locate subsurface utilities in the accessible portions of an approximately 440 ft by 100ft area of interest at the Site specified by Langan.

THE SURVEY

Alexis Martinez, Amanda Fabian, P.G., and Justin Covert of HRGS conducted the geophysical survey over three days between August 27 and August 31, 2020. The project was coordinated with Ms. Allyson Kritzer of Langan. Ms. Molly Gutelius, also of Langan, was onsite during the survey.

The utility location survey of the specified area of interest was conducted using three complementary methods: time domain electromagnetic induction metal detection (EM), ground penetrating radar (GPR), and precision utility location (PUL). The EM data were acquired at approximately 8-inch intervals along lines spaced 5 feet apart across the accessible portions of the specified areas of interest. The EM survey detects buried metal. However, the EM method cannot provide information on the type of objects causing an EM anomaly.

GPR data were acquired along traverses oriented in two mutually perpendicular directions, with lines spaced no more than 5 feet apart across the accessible portions of the areas of interest. The GPR method is capable of detecting both metal and nonmetal objects.

The PUL method was used to search for subsurface utilities in the areas of interest by passively searching for signals from active electric lines and by actively tracing signals applied by direct connections to accessible utility structures such as hydrants, valves, and other exposed pipes or conduits.

A local survey grid was established in the area of interest based on surrounding fences. The locations of utilities detected at the time of the survey were marked on site and their locations were recorded with respect to the local survey grid for inclusion on the site plan. The geophysical data were reviewed in the office and additional utility segments and other structures were identified, and their locations are shown on the plan included in this report.

EQUIPMENT

EM61. The EM survey was conducted using a Geonics EM61-MK2 time domain electromagnetic induction metal detector. The EM61-MK2 instrument was designed specifically for detecting buried metal objects such as utilities, underground storage tanks (USTs), and drums. An air-cored transmitter coil generates a pulsed primary magnetic field in the earth, thereby inducing eddy currents in nearby metal objects. The eddy current produces a secondary magnetic field that is sensed by two receiver coils, one coincident with the transmitter and one positioned 40 cm above the main coil. By measuring the secondary magnetic field after the current in the ground has dissipated but before the current in metal objects has dissipated, the instrument responds only to the secondary magnetic field produced by metal objects. Four channels of secondary response are measured in mV and are recorded on a digital data logger. The system is generally operated by pushing the coils configured as a wagon with an odometer mounted on the axle to trigger the data logger automatically at approximately 8-inch intervals.

GPR. The GPR survey was conducted using a Geophysical Survey Systems, Inc. UtilityScan Hyper Stacking digital GPR system using both 350 MHz antenna with 50 ns time window.

GPR uses a high-frequency electromagnetic pulse (referred to herein as “radar signal”) transmitted from a radar antenna to probe the subsurface. The transmitted radar signals are reflected from subsurface interfaces of materials with contrasting electrical properties. Travel times of the radar signal can be converted to approximate depth below the surface by correlation with targets of known depths and by a curve matching routine. We monitor the acquisition of GPR data in the field and record the GPR data digitally for subsequent processing. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

Data from the GPR survey were processed using RADAN 7.4 GPR processing software from Geophysical Survey Systems, Inc. We reviewed profile images of the GPR data. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

PUL. The PUL survey was conducted using a Radiodetection RD 8000 series PUL instrument. The RD 8000 series consists of separate transmitter and receiver. The system can be used in "passive" and "active" modes to locate buried pipes by detecting electromagnetic signals carried by the pipes. In the "passive" mode, only the receiver unit is used to detect signals carried by the pipe from nearby power lines, live signals transmitted along underground power cables, or very low frequency radio signals resulting from long wave radio transmissions that flow along buried conductors. In the "active" mode of operation, the transmitter is used to induce a signal on a target pipe, and the receiver is used to trace the signal along the length of the pipe. Our system uses a 10W transmitter.

LIMITATIONS OF THE METHODS

HRGS MAKES NO GUARANTEE THAT ALL TARGETS WERE DETECTED IN THIS SURVEY. HRGS IS NOT RESPONSIBLE FOR DETECTING TARGETS THAT CANNOT BE DETECTED BY THE METHODS EMPLOYED OR BECAUSE OF SITE CONDITIONS. GPR SIGNAL PENETRATION MIGHT NOT BE SUFFICIENT TO DETECT ALL TARGETS.

Field mark-outs. Utilities detected by the PUL method at the time of the survey are marked in the field. Adverse weather and site conditions (rain, snow, snow and soil piles, uneven surfaces, high traffic, etc.) can hamper in-field interpretation. Mark-outs made on wet pavement, snow, snow piles, gravel surfaces, or in active construction zones may not last. HRGS is not responsible for maintaining utility mark-outs after leaving the work area.

EM61. The EM61 cannot detect non-metallic objects. The data from an EM61 survey are adversely affected by surface metal. The EM61 has a depth sensitivity limited to about 12 feet.

The instrument is relatively cumbersome and works best where the transmit and receive coils can be hand pushed in a small wagon.

Detection and identification should be clearly differentiated. Detection is the recognition of the presence of a metal object, and the electromagnetic method is excellent for such purposes. Identification, on the other hand, is determination of the nature of the causative body (i.e., what is the body -- a cache of drums, UST, automobile, white goods, etc.?). Although the EM data cannot be used to identify all buried metal objects, they provide excellent guides to the identification of some objects. For example, buried metal utilities produce anomalies with lengths many times their widths.

GPR. There are limitations of the GPR technique as used to detect and/or locate targets such as those of the objectives of this survey. Limitations include: (1) surface conditions, (2) electrical conductivity of the ground, (3) contrast of the electrical properties of the target and the surrounding soil, and (4) spacing of the traverses. Of these restrictions, only the last is controllable by us.

The condition of the ground surface can affect the quality of the GPR data and the depth of penetration of the GPR signal. Sites covered with snow piles, high grass, bushes, landscape structures, debris, obstacles, soil mounds, etc. limit the survey access and the coupling of the GPR antenna with the ground. In many cases, the GPR signal will not penetrate below concrete pavement, especially inside buildings, and a target may not be detectable. The GPR method also commonly does not provide useful data under canopies found at some facilities.

The electrical conductivity of the ground determines the attenuation of the GPR signal and thereby limits the maximum depth of exploration. For example, the GPR signal does not penetrate clay-rich soils, and targets buried in clay might not be detected.

A definite contrast in the electrical conductivities of the surrounding ground and the target material is required to obtain a reflection of the GPR signal. If the contrast is too small, possibly due to construction details or deeply corroded metal in the target, then the reflection may be too weak to recognize, and the target can be missed.

Spacing of the traverses is limited by access at many sites, but where flexibility of traverse spacing is possible, the spacing is adjusted to the size of the target. The GPR operator controls the spacing between lines, and the design of the survey is based on the dimensions of the smallest feature of interest. Targets with dimensions smaller than the spacing between GPR survey lines can be missed.

PUL. The PUL equipment cannot detect non-metallic utilities, such as pipes constructed of vitrified clay, transite, plastic, PVC, and unreinforced concrete, when used in passive mode alone. Such pipes can be detected if a wire tracer is installed with access to such tracer for transmission of a signal or where access (such as floor drains and clean-outs) permits insertion of a device on which a signal can be transmitted. In some, but not all cases, the subsurface utility

designation equipment cannot detect metal utilities reliably under reinforced concrete because the signal couples onto the metal reinforcing in the concrete. Similarly, the method commonly cannot be used adjacent to grounded metal structures such as chain link fences and metal guardrails. In congested areas, where several utilities are bundled or located within a short distance of each other, the signal transmitted on one utility can couple onto adjacent utilities, and the accuracy of the location indicated by the instrument decreases.

RESULTS

General. The geophysical survey was conducted using the EM61, GPR, and PUL methods across the accessible portions of the area of interest specified by Langan. Figure 2 shows a color contour plot of the EM61, and Figure 3 the locations of the GPR traverses and the integrated interpretation of the geophysical data.

EM61. Interpretation of EM61 data is based on the relative response of the instrument in millivolts to local conditions. The instrument is not calibrated to provide an absolute measure of a particular property, such as the conductivity of the soil or the strength of the earth's magnetic field. Subsurface metal objects produce sharply defined positive anomalies when the EM61 is positioned directly over them. Acquiring data at short intervals along closely spaced lines, as was done at the subject site, provides high spatial resolution of the location and footprint of the targets. Thus, buried metal is recognized in contour plots of EM61 data by positive anomalies with spatial dimensions roughly corresponding to the dimensions of the buried metal.

Several high amplitude EM anomalies are evident in Figure 2. Surface metal objects typically produce high amplitude EM anomalies, and those EM anomalies attributed to the effects of surface metal structures such as vehicles, fences, buildings, etc. are depicted as blue hatched areas in Figure 3. We note that the presence or absence of subsurface metal in such areas cannot be determined on the basis of the EM data alone due to the anomaly caused by the surface metal object.

Additional moderate to high amplitude EM anomalies were detected in the survey area. GPR records in these locations were carefully examined to determine a cause. Linear low-amplitude EM anomalies are evident in the EM data and are attributed to possible utilities. A portion of a large high amplitude EM anomaly detected in the eastern portion of the AOI is caused by a buried reinforced structure. The other EM anomalies are attributed to buried metal and are shown as red hatched areas on Figure 3.

GPR. The locations of the GPR traverses and the integrated interpretation of the geophysical data are shown in Figure 3. Apparent GPR signal penetration was fair, with two-way travel time reflections received from 10 to 15 ns. Based on velocity matching calibrations made for the area of interest, the GPR signal penetration is estimated to have been about 2-3 feet.

The GPR records exhibit linear reflections typical for utilities or segments of utilities. GPR reflections typical for USTs were not observed in the GPR records for the Site. As noted, the

GPR records at the locations of EM anomalies were reviewed. The GPR records did not reveal the presence of regularly shaped objects such as USTs or drums, therefore, we attribute those anomalies to the presence of buried debris containing metal. Whether buried structures such as USTs, utilities, foundations, etc. occur at a depth greater than the effective depth of investigation of the GPR (about 2-3 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

Some of the utilities were also detected by the PUL method, and their locations are shown in Figure 3.

PUL. The PUL transmitter was attached to conduits located in and on the perimeter of the AOI. We also conducted a PUL survey in “passive” mode to detect signals carried by utilities from nearby power lines. The locations of utilities detected were marked in the field at the time of the survey and are shown in Figure 3.

The proposed locations of several boreholes to be installed by Langan were marked in the field. Additional GPR records were acquired in the vicinity of the proposed boring locations to ensure that obstructions were not present. The approximate locations of the proposed borings are shown in the figures for reference.

CONCLUSIONS

Based upon the geophysical survey conducted by HRGS at an active parking lot located at 280 W.155th Street in Manhattan, New York for Langan in August 2020, we conclude:

- Several electric lines were detected in the area of interest.
- Unidentified possible utilities were detected in the area of interest.
- An unidentified buried reinforced area was detected in the east portion of the area of interest.
- No USTs were detected within the investigated areas of interest. Whether buried structures such as USTs, utilities, foundations, etc. occur at a depth greater than the effective depth of investigation of the GPR (about 2-3 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

LIMITATIONS ON USE OF THIS REPORT

This letter report was prepared for the exclusive use of Langan (Client). No other party shall be entitled to rely on this Report, or any information, documents, records, data, interpretations, advice or opinions given to Client by Hager-Richter Geoscience, Inc. (HRGS) in the performance of its work. The Report relates solely to the specific project for which HRGS has been retained and shall not be used or relied upon by Client or any third party for any variation

or extension of this project, any other project or any other purpose without the express written permission of HRGS. Any unpermitted use by Client or any third party shall be at Client's or such third party's own risk and without any liability to HRGS.

HRGS has used reasonable care, skill, competence and judgment in the performance of its services for this project consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by HRGS should be understood to be exploratory and interpretational in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

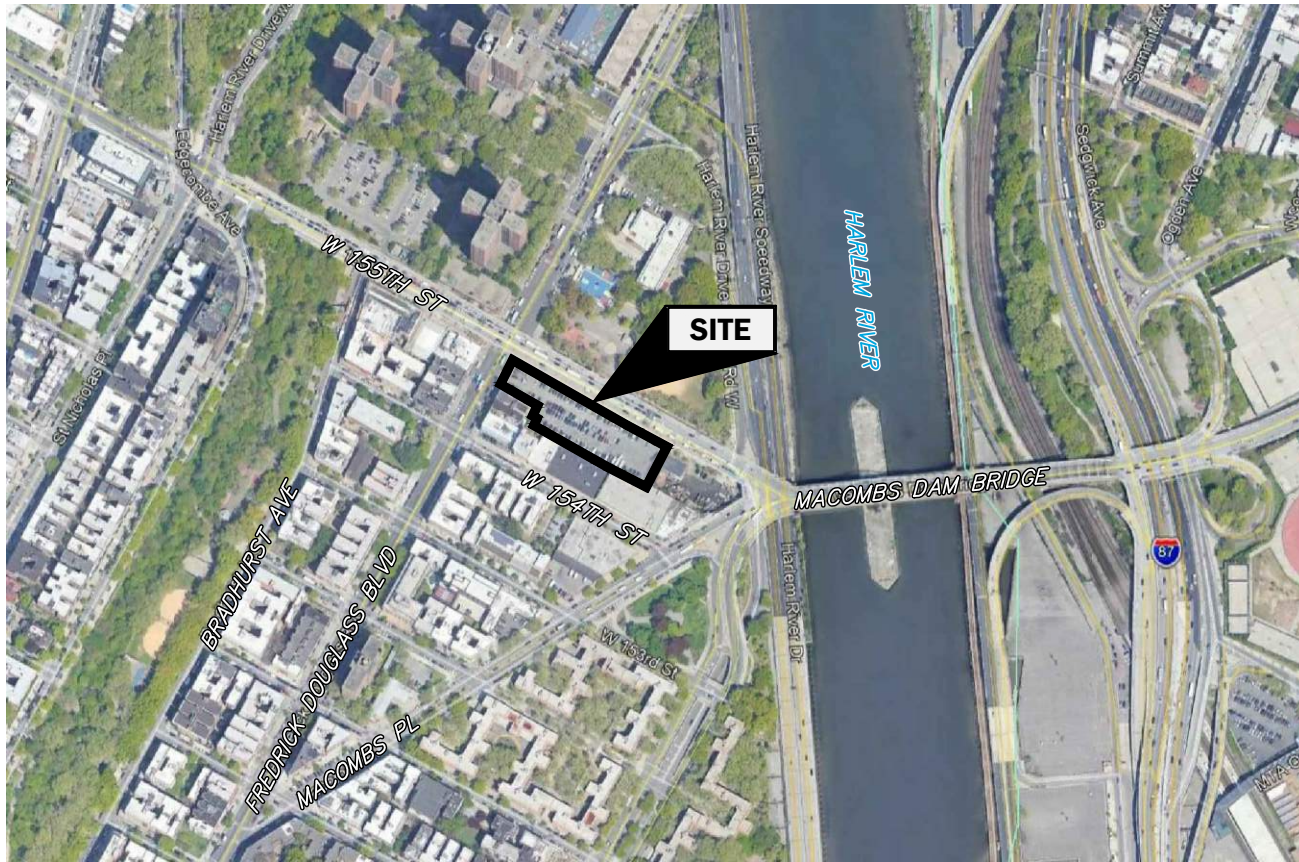
Except as expressly provided in this limitations section, HRGS makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed. If you have any questions or comments on this letter report, please contact us at your convenience. It has been a pleasure to work with Langan on this project. We look forward to working with you again in the future.

Sincerely,
HAGER-RICHTER GEOSCIENCE, INC.



Amanda Fabian, P.G.
Geophysicist

Attachments: Figures 1 - 3



SITE

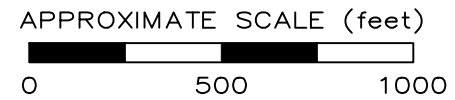


Figure 1
 General Site Location
 280 W 155th Street
 Manhattan, New York

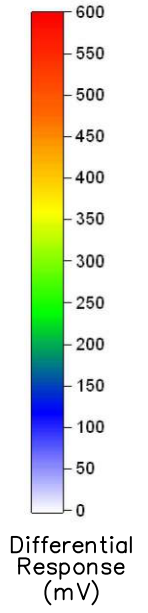
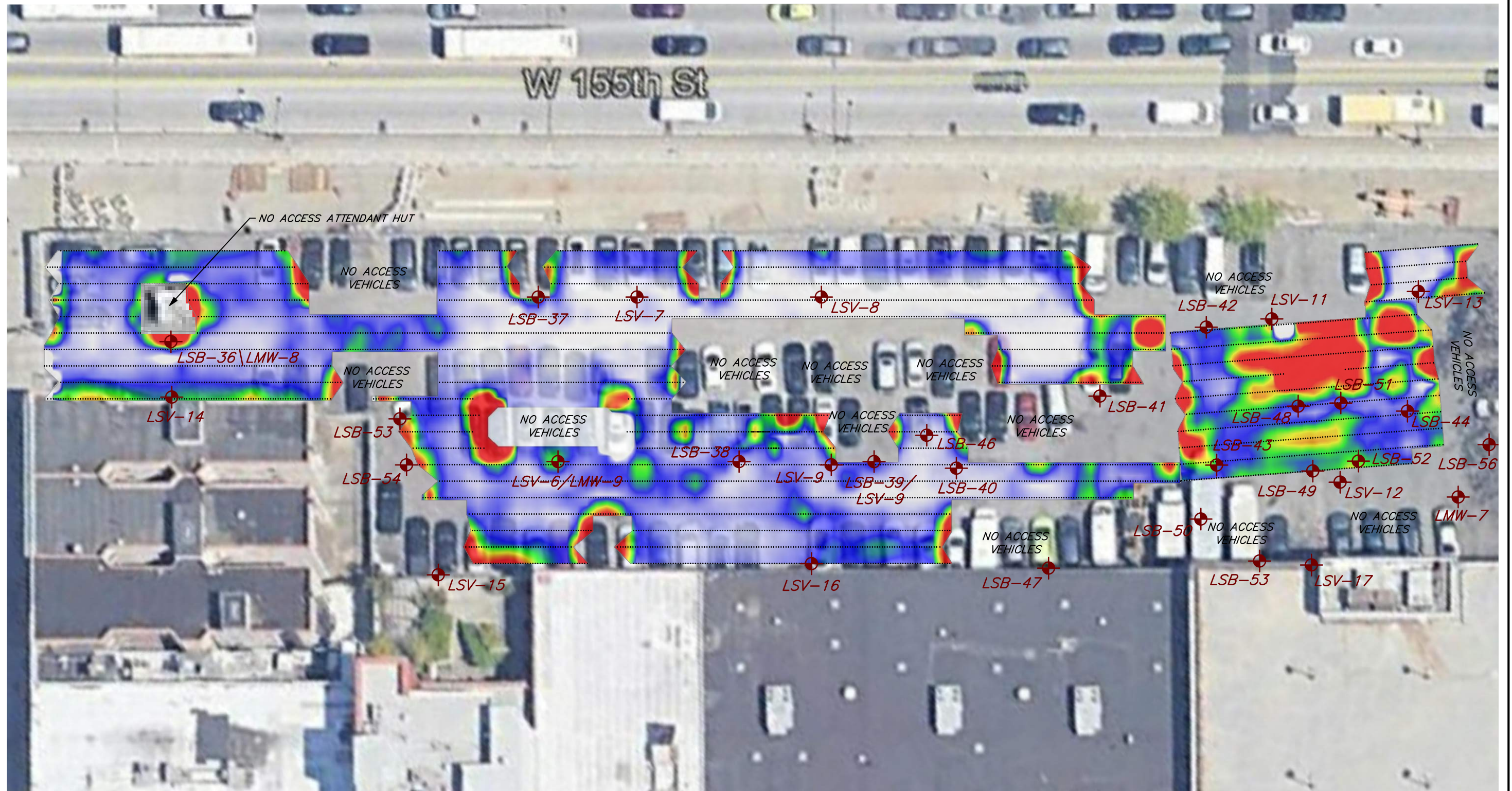
File 19JCC101 | September, 2020

HAGER-RICHTER*
 Salem, NH | Fords, NJ

NOTE:

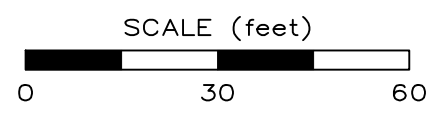
Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York



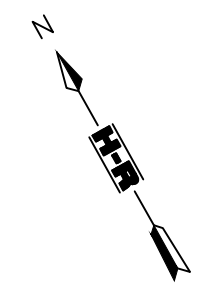
Differential Response (mV)

- NOTES:**
1. Modified from Google Earth Pro aerial photograph.
 2. Data were acquired with Geonics EM61-MK2. Differential response shown.
 3. Differential response equals top coil response - bottom coil response.



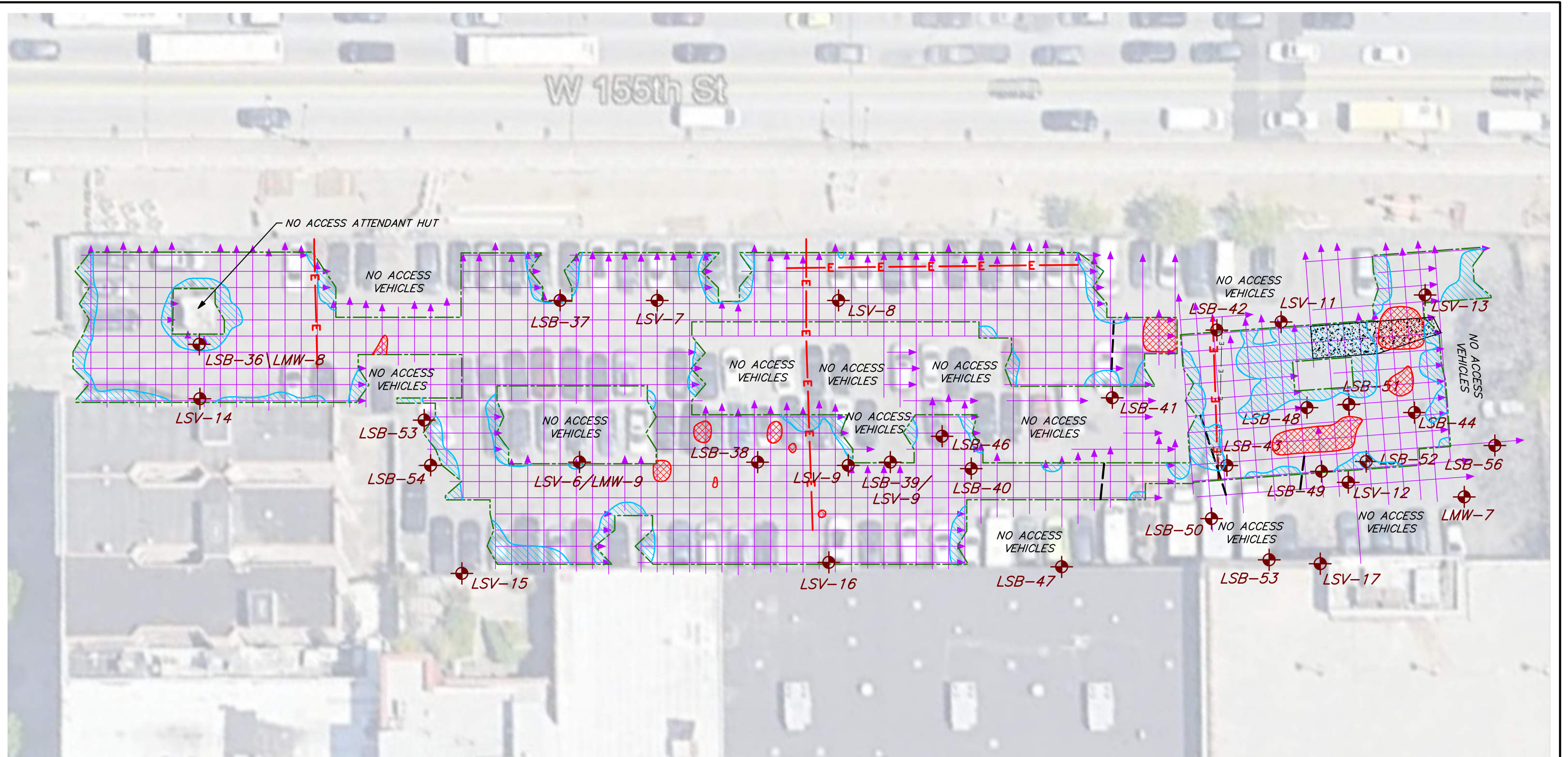
LEGEND

- DATA STATIONS
- ⊕ BORING

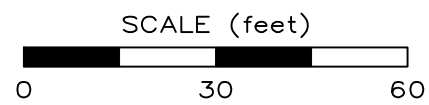


| | |
|--|-----------------|
| Figure 2 EM Survey 280 W 155th Street Manhattan, New York | |
| File 19JCC101 | September, 2020 |
| HAGER-RICHTER* Salem, NH Fords, NJ | |

* DBA HR Geological Services in New York



LEGEND



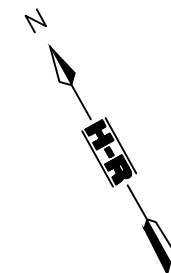
- APPROXIMATE LIMITS OF EM SURVEY AREA
- GPR TRAVERSE
- AREA OF POSSIBLE BURIED METAL
- ELECTRIC LINE
- POSSIBLE UTILITY



EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. THE PRESENCE OR ABSENCE OF BURIED METAL WITHIN THIS AREA CANNOT BE DETERMINED ON THE BASIS OF THE EM61 DATA ALONE.



BORING



NOTE:

Modified from Google Earth Pro aerial photograph.

Figure 3
GPR Survey &
Integrated Interpretation
280 W 155th Street
Manhattan, New York

File 19JCC101 | September, 2020

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Salem, NH | Fords, NJ

* DBA HR Geological Services in New York

APPENDIX B

Boring and Well Logs

LANGAN

Log of Boring **LSB-36/LMW-8**

Sheet 1 of 1

| | | | | | |
|---|--|--|--|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 16.19-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/1/20 | | Date Finished 9/1/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 9/17/2020. Collected 060_LSB-36_1.0-3.0 from 1.0-3.0' bgs. VOCs from 1.5-2.0' bgs. Collected 061_LSB-36_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.0-12.5' bgs. Bottom of boring at 15.0' bgs. LMW-8 installed to 15.0' bgs and screened 5.0-15.0' bgs. |
| | 1 | Light brown to dark brown fine-medium SAND, some brick, trace concrete, trace slag, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | | | | | | 0.0 | | |
| | 3 | | | | | | | 0.0 | | |
| | 4 | | | | | | | 0.0 | | |
| | 5 | Light brown to dark brown fine-medium SAND, some brick, trace concrete, trace slag, trace f-c gravel (moist)[FILL] | 5 | | | | | | 0.0 | |
| | 6 | | | | | | | 0.0 | | |
| | 7 | | | | | | | 0.0 | | |
| | 8 | | | | | | | 0.0 | | |
| | 9 | Light brown to dark brown fine-medium SAND, some brick, trace concrete, trace slag, trace f-c gravel (wet)[FILL] | 9 | | | | | | 0.0 | |
| | 10 | | | | | | | 0.0 | | |
| | 11 | | | | | | | 0.0 | | |
| | 12 | | | | | | | 0.0 | | |
| | 13 | Grayish brown to gray silty fine-coarse SAND, trace brick, trace f-c gravel (wet)[FILL] | 13 | | | | | | 0.0 | |
| | 14 | | | | | | | 0.0 | | |
| 15 | | | | | | | 0.0 | | | |
| | | | 15 | | | | | 0.0 | | |
| | | | 16 | | | | | 0.0 | | |
| | | | 17 | | | | | 0.0 | | |
| | | | 18 | | | | | 0.0 | | |
| | | | 19 | | | | | 0.0 | | |
| | | | 20 | | | | | 0.0 | | |

| | | | | | |
|---|------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.61-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/31/20 | | Date Finished 8/31/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 9 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | Red BRICK (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/31/2020. Collected 050_LSB-37_1.0-3.0 from 1.0-3.0' bgs. VOCs from 1.5-2.0' bgs. Collected 051_LSB-37_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.5-13.0' bgs. Bottom of boring at 15.0' bgs. |
| | | Dark brown to reddish brown fine-medium SAND, trace brick, trace concrete, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | CONCRETE (dry)[FILL] | 5 | | | | | | 0.0 | |
| | | Tannish brown fine-medium SAND, trace concrete, trace brick, trace silt (dry)[FILL] | 6 | | | | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | Tannish brown fine-medium SAND, trace concrete, trace brick, trace silt (wet)[FILL] | 10 | | | | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | Gray silty fine-coarse SAND, trace brick, trace gravel (wet)[FILL] | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

| | | | | | |
|---|---------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 15.91-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/1/20 | | Date Finished 9/1/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | |
| | | | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 9/17/2020. Collected 062_LSB-38_2.0-4.0 from 2.0-4.0' bgs. VOCs from 2.0-2.5' bgs. Collected 063_LSB-38_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.0-12.5' bgs. Bottom of boring at 15.0' bgs. |
| | 1 | Reddish brown fine-coarse SAND, some brick, trace concrete, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | Reddish brown fine-medium SAND, trace concrete, trace brick (dry)[FILL] | 2 | M-1 | Macrocore | 54 | | | 0.0 | |
| | 3 | | 3 | | | | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | Reddish brown fine-medium SAND, trace concrete, trace brick, trace slag (moist)[FILL] | 5 | | | | | | 0.0 | |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | 8 | Tannish gray fine-medium SAND, trace wood, trace concrete (wet)[FILL] | 8 | | | | | | 0.0 | |
| | 9 | | 9 | | | | | | 0.0 | |
| | 10 | | 10 | | | | | | 0.0 | |
| | 11 | | 11 | | | | | | 0.0 | |
| | 12 | Gray silty fine-medium SAND, trace wood, trace f-c gravel (wet)[FILL] | 12 | M-3 | Macrocore | 42 | | | 0.0 | |
| | 13 | | 13 | | | | | | 0.0 | |
| | 14 | | 14 | | | | | | 0.0 | |
| 15 | | 15 | | | | | | 0.0 | | |
| | | | 16 | | | | | | | |
| | | | 17 | | | | | | | |
| | | | 18 | | | | | | | |
| | | | 19 | | | | | | | |
| | | | 20 | | | | | | | |

| | | | |
|---|---|---|--------------------------------|
| Project 280 West 155th Street | Project No. 100765102 | | |
| Location New York, New York | Elevation and Datum Approx. 15.82-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | Date Started 9/2/20 | Date Finished 9/2/20 | |
| Drilling Equipment Geoprobe 7822 DT | Completion Depth 15 ft | Rock Depth --- | |
| Size and Type of Bit 2in Stainless Steel Direct Push | Number of Samples Disturbed 3 Undisturbed --- Core --- | | |
| Casing Diameter (in) --- | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8 Completion ∇ --- 24 HR. ∇ --- | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | PID Reading (ppm) | |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 9/2/2020. Collected 065_LSB-39_1.0-3.0 and 067_DUP-2 from 1.0-3.0' bgs. VOCs from 1.5-2.0' bgs. |
| | | Brown to tannish brown fine-coarse SAND, some brick, some wood, trace concrete, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | Brown to tannish brown fine-coarse SAND, trace concrete, trace brick, trace slag, trace wood, trace f-c gravel (dry)[FILL] | 2 | | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | | Brown to tannish brown fine-coarse SAND, some f-c gravel, trace brick, trace concrete, trace wood, trace slag (moist)[FILL] | 4 | | | | | | 0.0 | |
| | | Brown to tannish brown fine-coarse SAND, some f-c gravel, trace brick, trace wood, trace slag (moist)[FILL] | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | | 8 | M-2 | Macrocore | 42 | | | 0.0 | |
| | | Brown to tannish brown fine-coarse SAND, some f-c gravel, trace brick, trace wood, trace slag (wet)[FILL] | 9 | | | | | | 0.0 | |
| | | | 10 | | | | | | 0.0 | |
| | | Brownish gray silty fine-medium SAND, trace brick, trace f-c gravel (wet)[FILL] | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | M-3 | Macrocore | 48 | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

Bottom of boring at 15.0' bgs.

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| | | | | | |
|---|------------------|--------------------------|---|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.4-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/31/20 | | Date Finished 8/31/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 7 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|--|------------|---|-------------|-------------|-----------|-------------|-----------------------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/ft | | |
|  | | ASPHALT (dry)[FILL] | 0 | | | | | 0.0 | Started Drilling on 8/31/2020. Collected 053_LSB-40_1.0-3.0 from 1.0-3.0' bgs. VOCs from 1.5-2.0' bgs. Collected 058_LSB-40_6.0-8.0 from 6.0-8.0' bgs. VOCs from 6.5-7.0' bgs. Collected 054_LSB-40_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.0-12.5' bgs. Bottom of boring at 15.0' bgs. |
| | | WOOD and CONCRETE (dry)[FILL] | | | | | | 0.0 | |
| | | Tannish brown fine-medium SAND, trace slag, trace brick, trace concrete (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 48 | | 0.0 | |
| | | | 3 | | | | | 0.0 | |
| | | | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | | 6 | | | | | 0.0 | |
| | | | 7 | M-2 | Macrocore | 42 | | 0.0 | |
| | | | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | | | | | 0.0 | |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | M-3 | Macrocore | 36 | | 0.0 | |
| | | | 13 | | | | | 0.0 | |
| | | 14 | | | | | 0.0 | | |
| | | 15 | | | | | 0.0 | | |
| | | | 16 | | | | | | |
| | | | 17 | | | | | | |
| | | | 18 | | | | | | |
| | | | 19 | | | | | | |
| | | | 20 | | | | | | |

| | | | |
|---|--|--|-----------------------------|
| Project 280 West 155th Street | | Project No. 100765102 | |
| Location New York, New York | | Elevation and Datum 15.15-ft NAVD88 | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 8/31/20 | Date Finished 8/31/20 |
| Drilling Equipment Geoprobe 7822 DT | | Completion Depth 15 ft | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | Number of Samples | Disturbed 3 |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Undisturbed --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | Water Level (ft.) First 7.5 | Completion 24 HR. --- |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- |
| | | Drilling Foreman Nick Turro | |
| | | Field Engineer Molly Mattern | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] CONCRETE, trace brick (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/31/2020. Collected 047_LSB-41_4.0-6.0 from 4.0-6.0' bgs. VOCs from 4.0-4.5' bgs. Odor and globules of product from 7.5-9.0' bgs. Collected 057_LSB-41_7.5-9.5 from 7.5-9.5' bgs. VOCs from 8.0-8.5' bgs. Collected 048_LSB-41_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.0-12.5' bgs. Bottom of boring at 15.0' bgs. |
| | 1 | | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | | 5 | | | | | | 0.0 | |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | | 7 | M-2 | Macrocore | 54 | | | 0.3 | |
| | 8 | | 8 | | | | | | 0.2 | |
| | 9 | | 9 | | | | | | 3.5 | |
| | 10 | | 10 | | | | | | 3.4 | |
| | 11 | | 11 | | | | | | 16.6 | |
| | 12 | | 12 | M-3 | Macrocore | 42 | | | 1.2 | |
| | 13 | | 13 | | | | | | 0.0 | |
| | 14 | | 14 | | | | | | 0.0 | |
| 15 | | 15 | | | | | | 0.0 | | |

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|---|--|---------------------|--|-----------------------------------|-----------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 14.05-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | Water Level (ft.) First 8.5 | Completion 24 HR. --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|---|---|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/28/2020. Collected 040_LSB-42_1.5-3.5 from 1.5-3.5' bgs. VOCs from 2.0-2.5' bgs. Collected 044_LSB-42_7.5-9.5 from 7.5-9.5' bgs. VOCs from 8.5-9' bgs. Sheen on liner and soil from 8.5-9.5' bgs. Odor from 8.0-11.0' bgs Collected 041_LSB-42_12.0-14.0 from 12.0-14.0' bgs. VOCs from 12.0-12.5' bgs. Bottom of boring at 15.0' bgs. |
| | 1 | Dark gray to dark brown fine-medium SAND, some wood, some concrete, some f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | Dark brown fine-medium SAND, trace brick, trace concrete, trace fine gravel (dry)[FILL] | 2 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 3 | | 3 | | | | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | | 5 | | | | | | 0.0 | |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | 8 | Dark gray silty fine-medium SAND, trace brick, trace concrete (dry)[FILL] | 8 | | | | | | 0.6 | |
| | 9 | Dark gray silty fine-medium SAND, trace brick, trace concrete (wet)[FILL] | 9 | | | | | | 1.3 | |
| | 10 | Gray silty SAND, trace brick (wet)[FILL] | 10 | | | | | | 14.6 | |
| | 11 | | 11 | | | | | | 13.8 | |
| | 12 | | 12 | M-3 | Macrocore | 48 | | | 6.9 | |
| 13 | Gray CLAY, trace organics (moist)[NATIVE] | 13 | | | | | | 2.7 | | |
| 14 | | 14 | | | | | | 1.9 | | |
| 15 | | 15 | | | | | | 0.8 | | |
| 16 | | 16 | | | | | | 0.0 | | |
| 17 | | 17 | | | | | | 0.2 | | |
| 18 | | 18 | | | | | | 0.0 | | |
| 19 | | 19 | | | | | | 0.0 | | |
| 20 | | 20 | | | | | | 0.1 | | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.5-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Water Level (ft.) First ∇ 10 | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Drilling Foreman Nick Turro | | |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/28/2020. |
| | 1 | Tannish red to red GRAVEL, BRICK AND CONCRETE (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | Tannish brown to brown fine-coarse SAND, trace concrete, trace f-c gravel (dry)[FILL] | 3 | M-1 | Macrocore | 42 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | | 5 | | | | | | 0.0 | |
| | 6 | Brown to reddish brown fine-medium SAND, trace concrete (moist)[FILL] | 6 | M-2 | Macrocore | 42 | | | 0.0 | |
| | 7 | | 7 | | | | | | 0.0 | |
| | 8 | | 8 | | | | | | 0.0 | |
| | 9 | | 9 | | | | | | 0.0 | |
| | 10 | Grayish brown fine-medium SAND, trace concrete, trace brick (wet)[FILL] | 10 | | | | | | 0.0 | |
| | 11 | Grayish brown silty fine-medium SAND, trace concrete, trace f-c gravel (wet)[FILL] | 11 | | | | | | 0.0 | |
| | 12 | | 12 | M-3 | Macrocore | 42 | | | 0.0 | |
| | 13 | | 13 | | | | | | 0.0 | |
| | 14 | | 14 | | | | | | 0.0 | |
| 15 | | 15 | | | | | | 0.0 | | |
| | | | 16 | | | | | | Bottom of boring at 15.0' bgs. | |
| | | | 17 | | | | | | | |
| | | | 18 | | | | | | | |
| | | | 19 | | | | | | | |
| | | | 20 | | | | | | | |

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|---|---------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 12.78-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/27/20 | | Date Finished 8/27/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 7 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|---|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/27/2020. Collected 030_LSB-44 3.0-5.0 from 3.0-5.0' bgs. VOCs from 3.5-4.0' bgs. Collected 031_LSB-44 12.0-14.0 and 032_DUP-1 from 12.0-14.0' bgs. VOCs from 12.5-13.0' bgs. Bottom of boring at 15.0' bgs. |
| | 1 | CONCRETE and BRICK (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | Brown fine-coarse SAND, some f-c gravel, trace brick, trace wood (dry)[FILL] | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | Reddish brown fine-medium SAND, trace f-c gravel (dry)[FILL] | 5 | | | | | | 0.0 | |
| | 6 | Gray silty fine-medium SAND, trace brick, trace f-c gravel (dry)[FILL] | 6 | | | | | | 0.0 | |
| | 7 | Gray silty fine-medium SAND, trace brick, trace f-c gravel (wet)[FILL] | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | 8 | | 8 | | | | | | 0.0 | |
| | 9 | | 9 | | | | | | 0.0 | |
| | 10 | Gray silty fine-medium SAND, trace brick, trace wood (wet)[FILL] | 10 | | | | | | 0.0 | |
| | 11 | | 11 | | | | | | 0.0 | |
| | 12 | | 12 | | | | | | 0.0 | |
| | 13 | | 13 | M-3 | Macrocore | 48 | | | 0.0 | |
| 14 | Gray CLAY, trace organics (moist)[NATIVE] | 14 | | | | | | 0.0 | | |
| 15 | | 15 | | | | | | 0.0 | | |
| 16 | | 16 | | | | | | 0.0 | | |
| 17 | | 17 | | | | | | 0.0 | | |
| 18 | | 18 | | | | | | 0.0 | | |
| 19 | | 19 | | | | | | 0.0 | | |
| 20 | | 20 | | | | | | 0.0 | | |

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| Project 280 West 155th Street | | Project No. 100765102 | |
| Location New York, New York | | Elevation and Datum Approx. 15.0-ft NAVD88 | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 8/31/20 | Date Finished 8/31/20 |
| Drilling Equipment Geoprobe 7822 DT | | Completion Depth 15 ft | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | Number of Samples | Disturbed 3 Undisturbed --- Core --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8.5 | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | Field Engineer Molly Mattern | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/31/2020. Collected 056_LSB-45_7.5-9.5 from 7.5-9.5' bgs. VOCs from 8.0-8.5' bgs. Bottom of boring at 15.0' bgs. |
| | 1 | Tannish brown fine-coarse SAND, some f-c gravel, trace brick, trace slag (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 42 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | Reddish brown fine-medium SAND, trace brick, trace silt (dry)[FILL] | 5 | | | | | | 0.0 | |
| | 6 | Dark gray to gray fine-medium SAND, trace brick, trace concrete (moist)[FILL] | 6 | | | | | | 0.0 | |
| | 7 | | 7 | | | | | | 0.0 | |
| | 8 | | 8 | M-2 | Macrocore | 48 | | | 0.0 | |
| | 9 | Gray to light gray fine-coarse SAND, some f-c gravel, trace concrete, trace silt (wet)[FILL] | 9 | | | | | | 0.0 | |
| | 10 | Gray to light gray fine-coarse SAND, trace concrete, trace brick, trace silt, trace fine gravel (wet)[FILL] | 10 | | | | | | 0.0 | |
| | 11 | | 11 | | | | | | 0.0 | |
| | 12 | | 12 | M-3 | Macrocore | 48 | | | 0.0 | |
| | 13 | | 13 | | | | | | 0.0 | |
| | 14 | Gray CLAY, trace organics (moist)[NATIVE] | 14 | | | | | | 0.0 | |
| 15 | | 15 | | | | | | 0.0 | | |
| 16 | | 16 | | | | | | 0.0 | | |
| 17 | | 17 | | | | | | 0.0 | | |
| 18 | | 18 | | | | | | 0.0 | | |
| 19 | | 19 | | | | | | 0.0 | | |
| 20 | | 20 | | | | | | 0.0 | | |

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| Project 280 West 155th Street | | | | Project No. 100765102 | | | |
| Location New York, New York | | | | Elevation and Datum Approx. 15.4-ft NAVD88 | | | |
| Drilling Company AARCO Environmental Services, Corp. | | | | Date Started 8/31/20 | | Date Finished 8/31/20 | |
| Drilling Equipment Geoprobe 7822 DT | | | | Completion Depth 15 ft | | Rock Depth --- | |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | | Number of Samples | | Disturbed 3 | |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | | Water Level (ft.) First 9 | | Undisturbed --- | |
| Casing Hammer --- | | Weight (lbs) --- | | Drop (in) --- | | Core --- | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | | Drilling Foreman Nick Turro | | | |
| Sampler Hammer --- | | | | Weight (lbs) --- | | | |
| | | | | Drop (in) --- | | | |
| | | | | Field Engineer Molly Mattern | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|------------------------|------------|---|-------------|-------------|-----------|-------------|----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist BL/in | PID Reading (ppm) | |
| [Cross-hatched symbol] | | ASPHALT (dry)[FILL] | 0 | | | | | 0.0 | Started Drilling on 8/31/2020. Collected 055 LSB-46 6.0-8.0 from 6.0-8.0' bgs. VOCs from 6.5-7.0' bgs. Bottom of boring at 15.0' bgs. |
| | | Brown fine-medium SAND, some wood, trace concrete, trace brick (dry)[FILL] | 1 | | | | | 0.0 | |
| | | Grayish brown to light brown fine-coarse SAND, trace slag, trace wood, trace brick (dry)[FILL] | 2 | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 42 | | 0.0 | |
| | | | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | Reddish brown fine-medium SAND, trace wood, trace slag, trace silt (dry)[FILL] | 6 | | | | | 0.0 | |
| | | | 7 | M-2 | Macrocore | 42 | | 0.0 | |
| | | Grayish brown to gray silty fine-coarse SAND, trace brick, trace concrete (dry)[FILL] | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | Grayish brown to gray silty fine-coarse SAND, trace brick, trace concrete (wet)[FILL] | 10 | | | | | 0.0 | |
| | | | 11 | | | | | 0.0 | |
| | | Grayish brown to gray silty fine-coarse SAND, trace brick, trace wood, trace f-c gravel (wet)[FILL] | 12 | | | | | 0.0 | |
| | | | 13 | M-3 | Macrocore | 36 | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | 15 | | | | | 0.0 | | |
| | | 16 | | | | | 0.0 | | |
| | | 17 | | | | | 0.0 | | |
| | | 18 | | | | | 0.0 | | |
| | | 19 | | | | | 0.0 | | |
| | | 20 | | | | | 0.0 | | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 17.5-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/31/20 | | Date Finished 8/31/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/31/2020. |
| | | Reddish brown fine-medium SAND, some brick, some concrete, trace wood (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | Dark brown to brown fine-coarse SAND, some slag, trace concrete, trace wood (moist)[FILL] | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | | 8 | M-2 | Macrocore | 48 | | | 0.0 | |
| | | Grayish brown to light gray fine-coarse SAND, some f-c gravel, trace brick, trace concrete (wet)[FILL] | 9 | | | | | | 0.5 | |
| | | | 10 | | | | | | 2.6 | |
| | | | 11 | | | | | | 4.5 | |
| | | Gray to grayish brown silty fine-medium SAND, some f-c gravel, trace concrete, trace brick (wet)[FILL] | 12 | | | | | | 3.9 | |
| | | | 13 | M-3 | Macrocore | 48 | | | 0.9 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

Sheen, globules, and odor from 8.5-10.0' bgs. Collected 049_LSB-47_8.5-10.5 from 8.5-10.5' bgs. VOCs from 9.0-9.5' bgs.

Bottom of boring at 15.0' bgs.

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 13.54-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 9 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] BRICK AND CONCRETE, trace f-c gravel (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/28/2020. |
| | 1 | | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | Reddish brown fine-medium SAND, some brick, trace concrete (dry)[FILL] | 5 | | | | | | 0.0 | Collected 039_LSB-48_8.0-10.0 from 8.0-10.0' bgs. VOCs from 9.0-9.5' bgs. |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | | 7 | | | | | | 0.0 | |
| | 8 | | 8 | M-2 | Macrocore | 42 | | | 0.0 | |
| | 9 | Gray silty fine-medium SAND, trace brick, trace wood (wet)[FILL] | 9 | | | | | | 0.0 | |
| | 10 | | 10 | | | | | | 0.0 | Bottom of boring at 15.0' bgs. |
| | 11 | | 11 | | | | | | 0.0 | |
| | 12 | | 12 | | | | | | 0.0 | |
| | 13 | | 13 | M-3 | Macrocore | 48 | | | 0.0 | |
| | 14 | Gray CLAY, trace organics (moist)[NATIVE] | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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|--|--|----------------------------|---|---------------------|---------------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.65-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/27/20 | | Date Finished 8/27/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Water Level (ft.) | |
| | | | | First 9.5 | Completion --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Field Engineer Molly Mattern | | |
| | | | Weight (lbs) --- | | |
| | | | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks <small>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</small> |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist BL/ft | PID Reading (ppm) | |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | Started Drilling on 8/27/2020. Collected 033_LSB-49_9.5-11.5 from 9.5-11.5' bgs. VOCs collected from 10.0-10.5' bgs. Small globules, slight sheen, and odors from 9.75-11.0' bgs. Bottom of boring at 15.0' bgs. |
| | | Brown to tannish brown fine SAND, some concrete, some wood, trace brick (dry)[FILL] | 1 | | | | | | |
| | | | 2 | | | | | | |
| | | | 3 | | | | | | |
| | | Tannish brown fine-medium SAND, trace fine gravel (dry)[FILL] | 4 | | | | | | |
| | | Tannish brown fine-medium SAND, some concrete, trace fine gravel (dry)[FILL] | 5 | | | | | | |
| | | Dark brown fine SAND, some f-c gravel (dry)[FILL] | 6 | | | | | | |
| | | | 7 | | | | | | |
| | | | 8 | M-2 | Macrocore | 48 | | | |
| | | | 9 | | | | | | |
| | | Dark brown fine SAND, some f-c gravel (wet)[FILL] | 10 | | | | | | |
| | | | 11 | | | | | | |
| | | Dark brown silty fine SAND (wet)[FILL] | 12 | | | | | | |
| | | | 13 | M-3 | Macrocore | 48 | | | |
| | | | 14 | | | | | | |
| | | | 15 | | | | | | |
| | | | 16 | | | | | | |
| | | | 17 | | | | | | |
| | | | 18 | | | | | | |
| | | | 19 | | | | | | |
| | | | 20 | | | | | | |

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|---|--|--|--|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.6-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Water Level (ft.) First ∇ 10 Completion ∇ --- 24 HR. ∇ --- | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Drilling Foreman Nick Turro | | |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/28/2020. |
| | | Tannish brown fine-coarse SAND, some concrete, some f-c gravel, trace brick (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | Brown fine-medium SAND, some f-c gravel, trace concrete (dry)[FILL] | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | Tannish brown fine-coarse SAND, trace concrete, trace silt (dry)[FILL] | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | Reddish brown fine-medium SAND, trace concrete, trace brick, trace silt (moist)[FILL] | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | Dark gray fine-coarse SAND, some f-c gravel, trace wood (wet)[FILL] | 10 | | | | | | 0.8 | |
| | | | 11 | | | | | | 1.2 | |
| | | Light gray silty fine-medium SAND, trace wood, trace f-c gravel (wet)[FILL] | 12 | M-3 | Macrocore | 42 | | | 0.2 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

Collected 042 LSB-50_1
9.5-11.5 from 9.5-11.5' bgs.
VOCs collected from
10.0-10.5' bgs.
Slight odor and slight sheen
from 10.0-10.5' bgs.

Bottom of boring at 15.0' bgs.

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Log of Boring **LSB-52/LMW-6**

Sheet 1 of 1

| | | | | | |
|---|--|--------------------------|--|--------------------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 14.65-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/27/20 | | Date Finished 8/27/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ▽ 9.5 | Completion ▽ 8.6 | 24 HR. ▽ --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/27/2020. |
| | | Grayish brown coarse GRAVEL, some concrete, some wood, some brick, trace f-m sand (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | Brown to light gray fine-medium SAND, trace brick, trace wood (dry)[FILL] | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | Brown to light gray fine-medium SAND, trace brick, trace wood (wet)[FILL] | 10 | | | | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | Grayish brown silty fine-medium SAND, trace f-m gravel (wet)[FILL] | 12 | M-3 | Macrocore | 42 | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

Collected
035_LSB-52_9.5-11.5 from
9.5-11.5' bgs. VOCs
collected from 10.0-10.5'
bgs.

Bottom of boring at 15.0'
bgs.
LMW-6 installed to 15.0' bgs
and screened 5.0-15.0' bgs.

| | | | | | |
|---|--|--|---|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.49-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Water Level (ft.) First ∇ 9.5 Completion ∇ --- 24 HR. ∇ --- | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Drilling Foreman Nick Turro | | |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | ASPHALT (dry) [FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/28/2020. |
| | | Tannish brown fine-coarse SAND, some concrete, some wood, trace brick, trace silt (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | Reddish brown to brown fine-medium SAND, trace brick, trace concrete (dry)[FILL] | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | Reddish brown to brown fine-medium SAND, trace brick, trace concrete (moist)[FILL] | 7 | M-2 | Macrocore | 48 | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.2 | |
| | | Brown to dark brown fine-coarse SAND, some f-c gravel, trace brick (wet)[FILL] | 10 | | | | | | 3.6 | |
| | | | 11 | | | | | | 1.2 | |
| | | Gray silty fine-medium SAND, trace brick, trace concrete (wet)[FILL] | 12 | M-3 | Macrocore | 42 | | | 2.4 | |
| | | | 13 | | | | | | 1.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

Sheen, some product, and odor from 9.5-10.5' bgs. Collected 043_LSB-53_9.5-11.5 from 9.5-11.5' bgs. VOCs from 10.0-10.5' bgs.

Bottom of boring at 15.0' bgs.

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Log of Boring **LSB-54/LSV-17**

Sheet 1 of 1

| | | | | | | |
|---|--|--------------------------|---|--------------------------------|--------------------------|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.4-ft NAVD88 | | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/28/20 | | Date Finished 8/28/20 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- | |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- | |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ▽ 8.5 | | Completion ▽ --- | Core 24 HR. ▽ --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|--|-------------|-----------|-------------|-------------------------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/Join | | |
| | 0 | ASPHALT (dry)[FILL] | | | | | | 0.0 | Started Drilling on 8/28/2020. Collected 045_LSB-54_9.5-11.5 from 9.5-11.5' bgs. VOCs collected from 10.0-10.5' bgs. Bottom of boring 15.0' bgs. |
| | | BRICK and CONCRETE, trace wood (dry)[FILL] | | | | | | 0.0 | |
| | 1 | | | | | | | 0.0 | |
| | 2 | | | | | | | 0.0 | |
| | 3 | | | | | | | 0.0 | |
| | 4 | | | | | | | 0.0 | |
| | 5 | | | | | | | 0.0 | |
| | 6 | | BRICK and CONCRETE, trace wood, trace f-c sand (dry)[FILL] | | | | | 0.0 | |
| | 7 | | Reddish brown to gray fine-medium SAND, trace brick, trace silt, trace fine gravel (dry)[FILL] | | | | | 0.0 | |
| | 8 | | | M-2 | Macrocore | 42 | | 0.0 | |
| | 9 | | Reddish brown to gray fine-medium SAND, trace brick, trace silt, trace fine gravel (wet)[FILL] | | | | | 0.0 | |
| | 10 | | Light gray to grayish brown silty fine-medium SAND, trace wood, trace f-c gravel (wet)[FILL] | | | | | 0.0 | |
| | 11 | | | | | | | 0.0 | |
| | 12 | | | | | | | 0.0 | |
| | 13 | | | M-3 | Macrocore | 48 | | 0.0 | |
| 14 | | | | | | | 0.0 | | |
| 15 | | | | | | | 0.0 | | |
| 16 | | | | | | | 0.0 | | |
| 17 | | | | | | | 0.0 | | |
| 18 | | | | | | | 0.0 | | |
| 19 | | | | | | | 0.0 | | |
| 20 | | | | | | | 0.0 | | |

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|---|--------------------------|------------------------|---|-----------------------------|--------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 12.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 9/2/20 | | Date Finished 9/2/20 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 5 | Completion 24 HR. --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|-----------------------|--------------------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/ft | | |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | 0.0 | Started Drilling on 9/2/2020. Collected 069_WC-9 from LSB-55 and LSB-56 from 0.0-12.0' bgs. VOCs from 2.0-2.5' bgs from LSB-55. |
| | 1 | Dark brown to brown fine-coarse SAND, some f-c gravel, trace brick, trace concrete, trace wood (dry)[FILL] | 1 | | | | | 0.0 | |
| | 2 | | 2 | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 48 | | 0.0 | |
| | 4 | | 4 | | | | | 0.0 | |
| | 5 | Dark brown to brown fine-coarse SAND, some f-c gravel, trace brick, trace concrete, trace wood (wet)[FILL] | 5 | | | | | 0.0 | |
| | 6 | Grayish brown fine-medium SAND, trace brick, trace wood, trace f-c gravel (wet)[FILL] | 6 | | | | | 0.0 | |
| | 7 | | 7 | M-2 | Macrocore | 48 | | 0.0 | |
| | 8 | | 8 | | | | | 0.0 | |
| | 9 | | 9 | | | | | 0.0 | |
| | 10 | Grayish brown silty fine-medium SAND, trace brick, trace wood, trace f-c gravel (wet)[FILL] | 10 | | | | | 0.0 | |
| | 11 | | 11 | M-3 | Macrocore | 24 | | 0.0 | |
| | | 12 | | | | | 0.0 | Bottom of boring at 12.0' bgs. | |
| | | 13 | | | | | | | |
| | | 14 | | | | | | | |
| | | 15 | | | | | | | |
| | | 16 | | | | | | | |
| | | 17 | | | | | | | |
| | | 18 | | | | | | | |
| | | 19 | | | | | | | |
| | | 20 | | | | | | | |

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|---|--|--|---|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 13.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/2/20 | | Date Finished 9/2/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|-----------------------|--------------------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/ft | | |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | 0.0 | Started Drilling on 9/2/2020. Collected 069_WC-9 from LSB-55 and LSB-56 from 0.0-12.0' bgs. VOCs from 2.0-2.5' bgs from LSB-55. |
| | 1 | Grayish red fine-coarse SAND, some brick, some concrete (dry)[FILL] | 1 | | | | | 0.0 | |
| | 2 | | 2 | | | | | 0.0 | |
| | 3 | Reddish brown fine-coarse SAND, trace brick, trace wood, trace slag (dry)[FILL] | 3 | M-1 | Macrocore | 48 | | 0.0 | |
| | 4 | | 4 | | | | | 0.0 | |
| | 5 | Reddish brown fine-coarse SAND, trace brick, trace wood, trace slag (moist)[FILL] | 5 | | | | | 0.0 | |
| | 6 | | 6 | | | | | 0.0 | |
| | 7 | Grayish brown to gray fine-medium SAND, some f-c gravel, trace brick (wet)[FILL] | 7 | M-2 | Macrocore | 48 | | 0.0 | |
| | 8 | | 8 | | | | | 0.0 | |
| | 9 | | 9 | | | | | 0.0 | |
| | 10 | Grayish brown to gray silty fine-medium SAND, trace brick, trace fine gravel (wet)[FILL] | 10 | | | | | 0.0 | |
| | 11 | | 11 | M-3 | Macrocore | 24 | | 0.0 | |
| | | 12 | | | | | 0.0 | Bottom of boring at 12.0' bgs. | |
| | | 13 | | | | | | | |
| | | 14 | | | | | | | |
| | | 15 | | | | | | | |
| | | 16 | | | | | | | |
| | | 17 | | | | | | | |
| | | 18 | | | | | | | |
| | | 19 | | | | | | | |
| | | 20 | | | | | | | |

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|---|--|--|--|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.44-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/2/20 | | Date Finished 9/2/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Water Level (ft.) First ∇ 10 | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Drilling Foreman Nick Turro | | |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|-----------------------|--------------------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/ft | | |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | 0.0 | Started Drilling on 9/2/2020. Collected 070 WC-10 from LSB-57 and LSB-58 from 0.0-12.0' bgs. VOCs from LSB-57 from 4.0-4.5' bgs. |
| | 1 | Brown fine-coarse SAND, some brick, trace concrete, trace wood (dry)[FILL] | 1 | | | | | 0.0 | |
| | 2 | | 2 | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 36 | | 0.0 | |
| | 4 | Brown fine-coarse SAND, some brick, trace concrete, trace wood (moist)[FILL] | 4 | | | | | 0.0 | |
| | 5 | | 5 | | | | | 0.0 | |
| | 6 | | 6 | | | | | 0.0 | |
| | 7 | | 7 | M-2 | Macrocore | 36 | | 0.0 | |
| | 8 | | 8 | | | | | 0.0 | |
| | 9 | | 9 | | | | | 0.0 | |
| | 10 | Grayish brown fine-medium SAND, trace brick, trace silt, trace f-c gravel (wet)[FILL] | 10 | | | | | 0.0 | |
| | 11 | | 11 | M-3 | Macrocore | 18 | | 0.0 | |
| 12 | | 12 | | | | | 0.0 | Bottom of boring at 12.0' bgs. | |
| | | | 13 | | | | | | |
| | | | 14 | | | | | | |
| | | | 15 | | | | | | |
| | | | 16 | | | | | | |
| | | | 17 | | | | | | |
| | | | 18 | | | | | | |
| | | | 19 | | | | | | |
| | | | 20 | | | | | | |

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|---|--|--|--|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.22-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/2/20 | | Date Finished 9/2/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 9/2/2020. Collected 070 WC-10 from LSB-57 and LSB-58 from 0.0-12.0' bgs. VOCs from LSB-57 from 4.0-4.5' bgs. |
| | 1 | Brown fine-medium SAND, trace brick, trace concrete, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | 2 | | | | | | 0.0 | |
| | 3 | | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 4 | Brown fine-medium SAND, some brick, trace concrete, trace f-c gravel (moist)[FILL] | 4 | | | | | | 0.0 | |
| | 5 | | 5 | | | | | | 0.0 | |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | Grayish brown fine-medium SAND, some f-c gravel, trace brick, trace concrete (wet)[FILL] | 7 | | | | | | 0.0 | |
| | 8 | | 8 | M-2 | Macrocore | 42 | | | 0.0 | |
| | 9 | | 9 | | | | | | 0.0 | |
| | 10 | Gray silty fine-medium SAND, trace brick, trace f-c gravel (wet)[FILL] | 10 | | | | | | 0.0 | |
| | 11 | | 11 | M-3 | Macrocore | 18 | | | 0.0 | |
| | | | 12 | | | | | 0.0 | Bottom of boring at 12.0' bgs. | |
| | | | 13 | | | | | | | |
| | | | 14 | | | | | | | |
| | | | 15 | | | | | | | |
| | | | 16 | | | | | | | |
| | | | 17 | | | | | | | |
| | | | 18 | | | | | | | |
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|---|--------------------------|------------------|--|---------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 14.63-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 8/27/20 | | Date Finished 8/27/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First ▽ 6.5 | Completion ▽ 8.3 | 24 HR. ▽ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Nick Turro | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Molly Mattern | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 8/27/2020. |
| | 1 | Tannish brown fine-medium SAND, some concrete, some brick (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | Tannish brown fine-medium SAND, some brick, some f-c gravel (dry)[FILL] | 2 | | | | | | 0.0 | |
| | 3 | CONCRETE (dry)[FILL] | 3 | M-1 | Macrocore | 48 | | | 0.0 | |
| | 4 | | 4 | | | | | | 0.0 | |
| | 5 | Tannish brown fine SAND (moist) [FILL] | 5 | | | | | | 0.0 | |
| | 6 | | 6 | | | | | | 0.0 | |
| | 7 | Brown fine-medium SAND, trace fine gravel (moist)[FILL] | 7 | M-2 | Macrocore | 42 | | | 0.0 | |
| | 8 | Brown fine-medium SAND, trace fine gravel (wet)[FILL] | 8 | | | | | | 0.0 | |
| | 9 | Brownish gray to dark fine-coarse SAND, some fine gravel, trace wood, trace silt (wet)[FILL] | 9 | | | | | | 0.0 | |
| | 10 | | 10 | | | | | | 0.0 | |
| | 11 | | 11 | | | | | | 0.0 | |
| | 12 | | 12 | M-3 | Macrocore | 48 | | | 0.0 | |
| | 13 | | 13 | | | | | | 0.0 | |
| | 14 | | 14 | | | | | | 1.3 | |
| 15 | | 15 | | | | | | 3.0 | | |
| 16 | | 16 | | | | | | 1.4 | | |
| 17 | | 17 | | | | | | | | |
| 18 | | 18 | | | | | | | | |
| 19 | | 19 | | | | | | | | |
| 20 | | 20 | | | | | | | | |

Slight odor at 13.0' bgs.

Bottom of boring at 15.0' bgs.
LMW-7 installed to 13.0' bgs and screened 3.0-13.0' bgs.

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|---|--|--|--|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 16.56-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 9/1/20 | | Date Finished 9/1/20 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman Nick Turro | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Molly Mattern | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | ASPHALT (dry)[FILL] | 0 | | | | | | 0.0 | Started Drilling on 9/17/2020. LSV-6 installed to 3.5' bgs. Bottom of boring at 15.0' bgs. LMW-9 installed to 13.0' bgs and screened 3.0-13.0' bgs. |
| | | Tannish gray fine-coarse SAND, trace concrete, trace brick (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | | | | | | 0.0 | |
| | | | 3 | M-1 | Macrocore | 42 | | | 0.0 | |
| | | | 4 | | | | | | 0.0 | |
| | | Light gray to gray fine-medium SAND, trace concrete, trace silt, trace f-c gravel (moist)[FILL] | 5 | | | | | | 0.0 | |
| | | Reddish brown to tannish brown fine-medium SAND, trace slag, trace brick, trace f-c gravel (moist)[FILL] | 6 | | | | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | Reddish brown to tannish brown fine-medium SAND, trace slag, trace brick, trace f-c gravel (wet)[FILL] | 8 | M-2 | Macrocore | 42 | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | | | | | | 0.0 | |
| | | Tannish gray silty fine-medium SAND, trace brick, trace f-c gravel (wet)[FILL] | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | M-3 | Macrocore | 42 | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | 15 | | | | | | 0.0 | | |
| | | 16 | | | | | | 0.0 | | |
| | | 17 | | | | | | 0.0 | | |
| | | 18 | | | | | | 0.0 | | |
| | | 19 | | | | | | 0.0 | | |
| | | 20 | | | | | | 0.0 | | |

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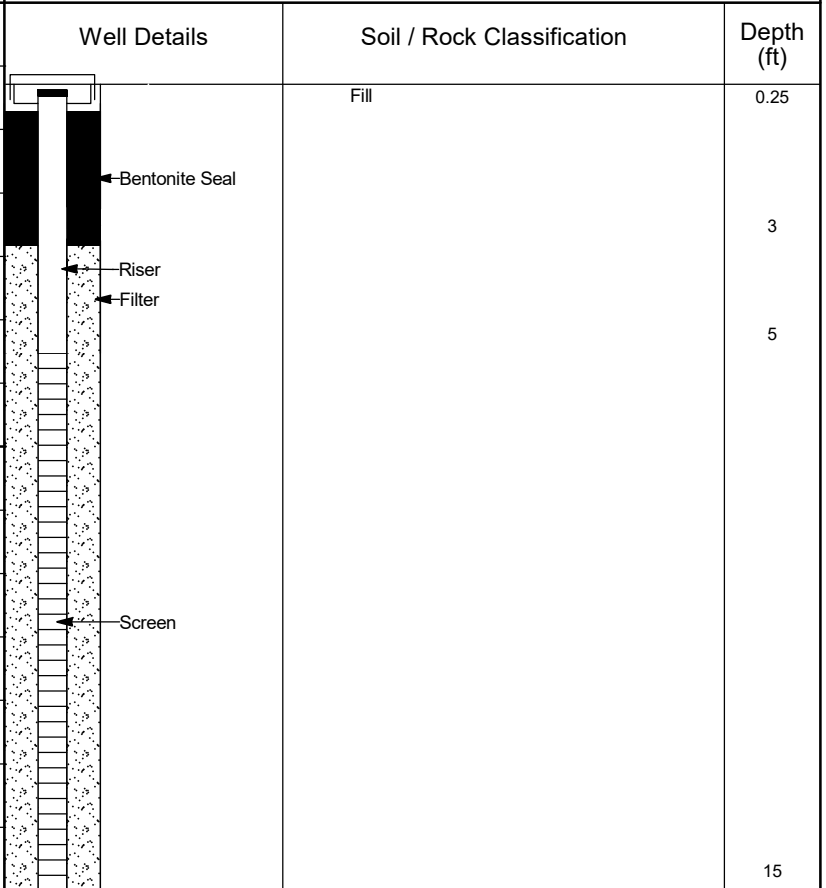
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|----------------------|-------------------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 14.65 ft NAVD88 |
| Drilling Agency | AARCO Environmental Services, Corp. | Date Started | 8/27/2020 |
| | | Date Finished | 8/27/2020 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | Nick Turro |
| Size And Type of Bit | 3.75-inch Direct Push | Inspector | Molly Mattern |

Method of Installation
 Soil boring drilled to 15' bgs. Direct push of a 3.75" stainless steel macrocore to a depth of 15' bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diameter PVC screen was installed from 5-15' bgs. No. 2 Sand was backfilled to approximately 2-feet above the top of screen. A 2-foot bentonite seal was installed above the sand, and the remainder of the borehole was backfilled with bentonite. Manhole installed and secured with concrete.

Method of Well Development
 LMW-6 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|-----------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | Non-Impacted Drill Cuttings |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 2-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 3.75-inch | | No. 2 Sand |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 14.40' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 14.15' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 11.65' | 3' bgs |
| Top of Screen | Elevation | Depth |
| | 9.65' | 5' bgs |
| Bottom of Filter | Elevation | Depth |
| | -0.35' | 15' bgs |
| Bottom of Well | Elevation | Depth |
| | -0.35' | 15' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



GROUNDWATER ELEVATIONS (ft)
 (Measured from the Top of Casing)

| | | |
|-----------|-------|-----------|
| Elevation | DTW | Date |
| 5.76' | 8.64' | 9/2/2020 |
| Elevation | DTW | Date |
| 5.67' | 8.73' | 9/10/2020 |
| Elevation | DTW | Date |
| Elevation | DTW | Date |
| Elevation | DTW | Date |
| Elevation | DTW | Date |

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| Project 280 West 155th Street | | Project No. 100765102 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|--|--|--------------|----------------------------|------------|--|------|------|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Location New York, New York | | Elevation And Datum 14.63 ft NAVD88 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Agency AARCO Environmental Services, Corp. | | Date Started 8/27/2020 | Date Finished 8/27/2020 | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Equipment Geoprobe 7822 DT | | Driller Nick Turro | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size And Type of Bit 3.75-inch Direct Push | | Inspector Molly Mattern | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Installation Soil boring drilled to 15' bgs. Bottom of drilled soil boring backfilled with non-impacted drill cuttings. Direct push of a 3.75" stainless steel macrocore to a depth of 13' bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diameter PVC screen was installed from 3-13' bgs. No. 2 Sand was backfilled to approximately 2-feet above the top of screen. A 0.5-foot bentonite seal was installed above the sand. Manhole installed and secured with concrete. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Well Development LMW-7 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of Casing -- | Diameter -- | Type of Backfill Material Non-Impacted Drill Cuttings | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of Screen Schedule-40 PVC | Diameter 2-inch | Type of Seal Material Bentonite | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borehole Diameter 3.75-inch | | Type of Filter Material No. 2 Sand | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Casing | Elevation 14.38' | Depth 0.25' bgs | <table border="1"> <thead> <tr> <th>Well Details</th> <th>Soil / Rock Classification</th> <th>Depth (ft)</th> </tr> </thead> <tbody> <tr> <td rowspan="10"> </td> <td>Fill</td> <td>0.25</td> </tr> <tr> <td></td> <td>1</td> </tr> <tr> <td></td> <td>3</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> | Well Details | Soil / Rock Classification | Depth (ft) | | Fill | 0.25 | | 1 | | 3 | | | | | | | | | | | | | | |
| Well Details | Soil / Rock Classification | Depth (ft) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Fill | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Top of Seal | Elevation 14.13' | Depth 0.5' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Filter | Elevation 13.63' | Depth 1' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Screen | Elevation 11.63' | Depth 3' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom of Filter | Elevation 1.63' | Depth 13' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom of Well | Elevation 1.63' | Depth 13' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Length | 10.0' | Slot Size 0.020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUNDWATER ELEVATIONS (ft) (Measured from the Top of Casing) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW 6.07' | Date 8.31' 9/2/2020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW 5.95' | Date 8.43' 9/10/2020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Project 280 West 155th Street | | Project No. 100765102 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|--|--|--------------|----------------------------|------------|--|------|------|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Location New York, New York | | Elevation And Datum 16.19 ft NAVD88 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Agency AARCO Environmental Services, Corp. | | Date Started 9/1/2020 | Date Finished 9/1/2020 | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Equipment Geoprobe 7822 DT | | Driller Nick Turro | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size And Type of Bit 3.75-inch Direct Push | | Inspector Molly Mattern | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Installation Soil boring drilled to 15' bgs. Direct push of a 3.75" stainless steel macrocore to a depth of 15' bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diameter PVC screen was installed from 5-15' bgs. No. 2 Sand was backfilled to approximately 2-feet above the top of screen. A 2-foot bentonite seal was installed above the sand, and the remainder of the borehole was backfilled with bentonite. Manhole installed and secured with concrete. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Well Development LMW-8 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of Casing -- | Diameter -- | Type of Backfill Material Non-Impacted Drill Cuttings | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of Screen Schedule-40 PVC | Diameter 2-inch | Type of Seal Material Bentonite | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borehole Diameter 3.75-inch | | Type of Filter Material No. 2 Sand | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Casing | Elevation 15.94' | Depth 0.25' bgs | <table border="1"> <thead> <tr> <th>Well Details</th> <th>Soil / Rock Classification</th> <th>Depth (ft)</th> </tr> </thead> <tbody> <tr> <td rowspan="10"> </td> <td>Fill</td> <td>0.25</td> </tr> <tr> <td></td> <td>3</td> </tr> <tr> <td></td> <td>5</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> | Well Details | Soil / Rock Classification | Depth (ft) | | Fill | 0.25 | | 3 | | 5 | | | | | | | | | | | | | | |
| Well Details | Soil / Rock Classification | Depth (ft) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Fill | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Top of Seal | Elevation 15.69' | Depth 0.5' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Filter | Elevation 13.19' | Depth 3' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Top of Screen | Elevation 11.19' | Depth 5' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom of Filter | Elevation 1.19' | Depth 15' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom of Well | Elevation 1.19' | Depth 15' bgs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Screen Length | 10.0' | Slot Size 0.020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUNDWATER ELEVATIONS (ft) (Measured from the Top of Casing) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW 4.96' | Date 10.98' 9/2/2020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW 5.10' | Date 10.84' 9/10/2020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elevation | DTW | Date | | | | | | | | | | | | | | | | | | | | | | | | | |

\\LANGAN.COM\DATA\PAR\DATA\1100765102\PROJECT\DATA\DISCIPLINE\ENVIRONMENTAL\GINTLOGS\100765102_ENTERPRISE.GPJ ... 1/13/2021 1:08:24 PM ... Report: Log - LANGAN_WELL_CONSTRUCTION_SUMMARY

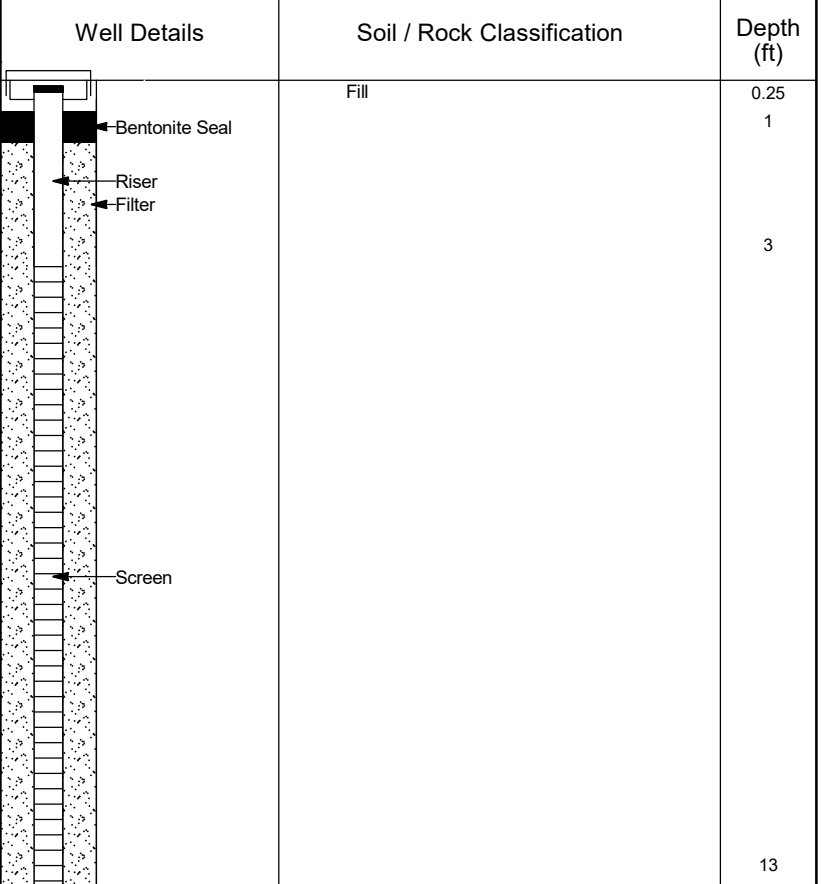
| | | | |
|----------------------|-------------------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 16.56 ft NAVD88 |
| Drilling Agency | AARCO Environmental Services, Corp. | Date Started | 9/1/2020 |
| | | Date Finished | 9/1/2020 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | Nick Turro |
| Size And Type of Bit | 3.75-inch Direct Push | Inspector | Molly Mattern |

Method of Installation
 Soil boring drilled to 15' bgs. Bottom of drilled soil boring backfilled with non-impacted drill cuttings. Direct push of a 3.75" stainless steel macrocore to a depth of 13' bgs. 10-feet of Schedule-40, 0.020-inch slotted 2-inch diameter PVC screen was installed from 3-13' bgs. No. 2 Sand was backfilled to approximately 2-feet above the top of screen. A 0.5-foot bentonite seal was installed above the sand. Manhole installed and secured with concrete.

Method of Well Development
 LMW-9 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|-----------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | Non-Impacted Drill Cuttings |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 2-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 3.75-inch | | No. 2 Sand |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 16.31' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 16.06' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 15.56' | 1' bgs |
| Top of Screen | Elevation | Depth |
| | 13.56' | 3' bgs |
| Bottom of Filter | Elevation | Depth |
| | 3.56' | 13' bgs |
| Bottom of Well | Elevation | Depth |
| | 3.56' | 13' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



GROUNDWATER ELEVATIONS (ft)
 (Measured from the Top of Casing)

| | | |
|-----------|-------|-----------|
| Elevation | DTW | Date |
| 6.38' | 9.93' | 9/2/2020 |
| Elevation | DTW | Date |
| 6.40' | 9.91' | 9/10/2020 |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |

APPENDIX C

Groundwater Sampling Field Logs

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | |
|---------------------------------------|-------------------------------------|--------------------------------|------------------------|
| Project: 280 West 155th Street | Site Location: Manhattan, NY | Well No: LMW-2 | Date: 9/10/2020 |
| Job Number: 100765102 | Weather: 78, rain | Sampler(s): MG | |
| Initial DTW (ft): - | Well Depth (ft): - | Pump Depth (ft): - | |
| Background PID (ppm): 0.0 | Well PID (ppm): 0.0 | Screen Interval (ft): - | |
| Water Quality Meter: - | Water Quality Meter ID: - | Well Diameter (in): 1" | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|---|-------------|--------------------|-------------|------------------|--------------------|--------------|----------------|-------------|--------|-------|-------|
| LMW-2 was not sampled due to product in well. | | | | | | | | | | | |
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| | ±/- 3% | ±/- 0.1 pH | ±/- 10 mV | ±/- 3% | ±/- 10 NTU | ±/- 10% | <0.3' drawdown | | | | |

Notes:

| | | | | | |
|----------------------|---|--------------------|---|------------------------|---|
| Sample Number: | - | Sample Time: | - | Sample Analyses: | - |
| QA/QC Sample Number: | - | QA/QC Sample Time: | - | QA/QC Sample Analyses: | - |



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | |
|---|---|-----------------------------------|------------------------|
| Project: 280 West 155th Street | Site Location: Manhattan, NY | Well No.: LMW-3 | Date: 9/11/2020 |
| Job Number: 100765102 | Weather: 78, Sunny | Sampler(s): MG | |
| Initial DTW (ft): 9.25 | Well Depth (ft): 15 | Pump Depth (ft): 12 | |
| Background PID (ppm): 0.0 | Well PID (ppm): 0.0 | Screen Interval (ft): 5-15 | |
| Water Quality Meter: Horiba U-52 | Water Quality Meter ID: Y1X5NA2A | Well Diameter (in): 1 | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|-------|-------------|--------------------|-------------|------------------|--------------------|--------------|-------------|----------------|-------------|-------|---------------|
| 14:15 | — | — | — | — | — | — | 9.25 | 200 | — | — | Begin Purging |
| 14:20 | 25.49 | 6.97 | -60.0 | 1.170 | 57.5 | 0.00 | 9.25 | 200 | Light brown | None | |
| 14:25 | 24.08 | 6.91 | -81.0 | 1.140 | 57.9 | 0.00 | 9.25 | 200 | Light brown | None | |
| 14:30 | 23.08 | 6.83 | -78.0 | 1.020 | 59.8 | 0.00 | 9.25 | 200 | Light brown | None | |
| 14:35 | 22.96 | 6.80 | -76.0 | 0.989 | 61.8 | 0.00 | 9.25 | 200 | Light brown | None | |
| 14:40 | 22.71 | 6.79 | -73.0 | 0.955 | 31.4 | 0.00 | 9.25 | 200 | Clear | None | |
| 14:45 | 22.64 | 6.79 | -74.0 | 0.948 | 23.6 | 0.00 | 9.25 | 200 | Clear | None | |
| 14:50 | 22.61 | 6.79 | -74.0 | 0.943 | 14.8 | 0.00 | 9.25 | 200 | Clear | None | |
| 14:55 | 22.64 | 6.79 | -75 | 0.937 | 9.8 | 0.00 | 9.25 | 200 | Clear | None | |
| 15:00 | 22.68 | 6.79 | -75 | 0.934 | 9.7 | 0.00 | 9.25 | 200 | Clear | None | |
| 15:05 | 22.66 | 6.80 | -76 | 0.930 | 9.5 | 0.00 | 9.25 | 200 | Clear | None | Stabilized |
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| | | +/ - 3% | +/ - 0.1 pH | +/ - 10 mV | +/ - 3% | +/ - 10 NTU | +/ - 10% | <0.3' drawdown | | | |

Notes:
DTB = 14.10'

| | | | | | |
|----------------------|-----------|--------------------|-------|------------------------|---|
| Sample Number: | 083_LMW-3 | Sample Time: | 15:10 | Sample Analyses: | VOCs, SVOCs, Total and Dissolved TAL Metals, Hexavalent Chromium, Pesticides, PCBs, Herbicides, PFAs, 1,4-Dioxane |
| QA/QC Sample Number: | — | QA/QC Sample Time: | — | QA/QC Sample Analyses: | — |



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | |
|---------------------------------------|-------------------------------------|--------------------------------|------------------------|
| Project: 280 West 155th Street | Site Location: Manhattan, NY | Well No: LMW-5 | Date: 9/10/2020 |
| Job Number: 100765102 | Weather: 78, rain | Sampler(s): MG | |
| Initial DTW (ft): - | Well Depth (ft): - | Pump Depth (ft): - | |
| Background PID (ppm): 0.0 | Well PID (ppm): 0.0 | Screen Interval (ft): - | |
| Water Quality Meter: - | Water Quality Meter ID: - | Well Diameter (in): 1" | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|---|-------------|--------------------|-------------|------------------|--------------------|--------------|----------------|-------------|--------|-------|-------|
| LMW-5 was not sampled due to product in well. | | | | | | | | | | | |
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| | +/- 3% | +/- 0.1 pH | +/- 10 mV | +/- 3% | +/- 10 NTU | +/- 10% | <0.3' drawdown | | | | |

Notes:

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|----------------------|---|--------------------|---|------------------------|---|
| Sample Number: | - | Sample Time: | - | Sample Analyses: | - |
| QA/QC Sample Number: | - | QA/QC Sample Time: | - | QA/QC Sample Analyses: | - |



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | |
|---|---|-----------------------------------|------------------------|
| Project: 280 West 155th Street | Site Location: Manhattan, NY | Well No: LMW-8 | Date: 9/11/2020 |
| Job Number: 100765102 | Weather: 78, Sunny | Sampler(s): MG | |
| Initial DTW (ft): 10.84 | Well Depth (ft): 15 | Pump Depth (ft): 13 | |
| Background PID (ppm): 0.00 | Well PID (ppm): 0.0 | Screen Interval (ft): 5-15 | |
| Water Quality Meter: Horiba U-52 | Water Quality Meter ID: Y1X5NA2A | Well Diameter (in): 2 | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|--|-------------|--------------------|-------------|------------------|--------------------|--------------|-------------|-------------|-------------|-------|---------------|
| 13:00 | — | — | — | — | — | — | 10.84 | 200 | — | — | Begin Purging |
| 13:05 | 25.76 | 7.01 | 72.0 | 2.700 | 53.1 | 0.00 | 11.25 | 150 | Light Brown | None | |
| 13:10 | 25.21 | 6.97 | 69.0 | 2.730 | 54.8 | 0.00 | 11.45 | 150 | Light Brown | None | |
| 13:15 | 24.94 | 6.97 | 66.0 | 2.740 | 52.5 | 0.00 | 11.63 | 150 | Light Brown | None | |
| 13:20 | 24.74 | 6.97 | 64.0 | 2.760 | 50.0 | 0.00 | 11.79 | 150 | Light Brown | None | |
| 13:25 | 24.51 | 6.97 | 60.0 | 2.770 | 44.5 | 0.00 | 11.93 | 150 | Clear | None | |
| 13:30 | 24.52 | 6.96 | 58.0 | 2.770 | 43.2 | 0.00 | 12.05 | 150 | Clear | None | |
| 13:35 | 24.52 | 6.96 | 55.0 | 2.770 | 41.8 | 0.00 | 12.20 | 150 | Clear | None | Stabilized |
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| +/- 3% +/- 0.1 pH +/- 10 mV +/- 3% +/- 10 NTU +/- 10% <0.3' drawdown | | | | | | | | | | | |

Notes:
DTB = 14.76'

| | | | | | |
|----------------------|-----------|--------------------|-------|------------------------|---|
| Sample Number: | 082_LMW-8 | Sample Time: | 13:40 | Sample Analyses: | VOCs, SVOCs, Total and Dissolved TAL Metals, Hexavalent Chromium, Pesticides, PCBs, Herbicides, PFAs, 1,4-Dioxane |
| QA/QC Sample Number: | — | QA/QC Sample Time: | — | QA/QC Sample Analyses: | — |



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | |
|---------------------------------------|-------------------------------------|--------------------------------|------------------------|
| Project: 280 West 155th Street | Site Location: Manhattan, NY | Well No: LMW-2 | Date: 2/26/2021 |
| Job Number: 100765102 | Weather: 40's F, Sunny | Sampler(s): MG | |
| Initial DTW (ft): - | Well Depth (ft): - | Pump Depth (ft): - | |
| Background PID (ppm): 0.0 | Well PID (ppm): 9.8 | Screen Interval (ft): - | |
| Water Quality Meter: - | Water Quality Meter ID: - | Well Diameter (in): 1" | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|---|----------|-----------------|-----------|---------------|-----------------|-----------|----------------|----------|--------|-------|-------|
| LMW-2 was not sampled due to product in well. | | | | | | | | | | | |
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| | +/- 3% | +/- 0.1 pH | +/- 10 mV | +/- 3% | +/- 10 NTU | +/- 10% | <0.3' drawdown | | | | |

Notes:

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|----------------------|---|--------------------|---|------------------------|---|
| Sample Number: | - | Sample Time: | - | Sample Analyses: | - |
| QA/QC Sample Number: | | QA/QC Sample Time: | | QA/QC Sample Analyses: | |



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

| | | | | | | | |
|------------------------------|-----------------------|--------------------------------|---------------|------------------------------|-------|--------------|-----------|
| Project: | 280 West 155th Street | Site Location: | Manhattan, NY | Well No: | LMW-5 | Date: | 2/26/2021 |
| Job Number: | 100765102 | Weather: | 40's F, Sunny | Sampler(s): | MG | | |
| Initial DTW (ft): | - | Well Depth (ft): | - | Pump Depth (ft): | - | | |
| Background PID (ppm): | 0.0 | Well PID (ppm): | 20.4 | Screen Interval (ft): | - | | |
| Water Quality Meter: | - | Water Quality Meter ID: | - | Well Diameter (in): | 1" | | |

| TIME | TEMP. °C | pH (std. Units) | ORP (mV) | COND. (mS/cm) | Turbidity (NTU) | DO (mg/L) | DTW (ft) | Q (mL/m) | COLOR? | ODOR? | NOTES |
|---|-------------|--------------------|-------------|------------------|--------------------|--------------|----------------|-------------|--------|-------|-------|
| LMW-5 was not sampled due to product in well. | | | | | | | | | | | |
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| | +/- 3% | +/- 0.1 pH | +/- 10 mV | +/- 3% | +/- 10 NTU | +/- 10% | <0.3' drawdown | | | | |

Notes:

| | | | | | |
|----------------------|---|--------------------|----|------------------------|---|
| Sample Number: | - | Sample Time: | -- | Sample Analyses: | - |
| QA/QC Sample Number: | | QA/QC Sample Time: | | QA/QC Sample Analyses: | |



APPENDIX D

Soil Vapor Sampling Field Logs

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 280 West 155th Street

Samplers: MG

Date: 9/14/2020

| Sample # | 085_Ambient-1 | 093_LSV-7 | 092_LSV-8 | 091_LSV-11 | 090_LSV-12 |
|---|--|--|--|--|--|
| Location | -- | LSV-7 | LSV-8 | LSV-11 | LSV-12 |
| Summa Canister ID | 2050 | 3281 | 2951 | 1559 | 3464 |
| Flow Controller ID | 676 | 1518 | 561 | 1922 | 1735 |
| Sample Depth (b.g.s.) | -- | 7' | 7' | 7.5' | 8' |
| Additional Tubing Added | <input checked="" type="radio"/> NO/ YES - How much | <input checked="" type="radio"/> YES - How much ~2' | <input checked="" type="radio"/> YES - How much ~2' | <input checked="" type="radio"/> YES - How much ~2' | <input checked="" type="radio"/> YES - How much ~2' |
| Purge Time (Start) | X | 9:10 | 8:50 | 9:25 | 8:35 |
| Purge Time (Stop) | | 9:15 | 8:55 | 9:30 | 8:40 |
| Total Purge Time (min) | | 5 | 5 | 5 | 5 |
| Purge Volume | | 1 L | 1 L | 1 L | 1 L |
| PID Test of Purge Air | | 8,616 ppb | 14.29 ppm | 2,309 ppb | 4,209 ppb |
| Initial Tracer Gas Results in sampling line | | 0% | 0% | 0% | 0% |
| Initial Tracer Gas Results in shroud | | 94.4% | 97.3% | 96.2% | 96.6% |
| Pressure Gauge - before sampling | -29.7 | -29.6 | -29.5 | -29.5 | -29.5 |
| Sample Time (Start) | 6:50 | 9:20 | 9:00 | 9:35 | 8:45 |
| Sample Time (Stop) | 14:30 | 11:17 | 11:15 | 11:20 | 10:40 |
| Total Sample Time (min) | 460 | 117 | 135 | 105 | 115 |
| Pressure Gauge - after sampling | -2.72 | -2.87 | -3.91 | -4.78 | -3.18 |
| Sample Volume | 6 L | 6 L | 6 L | 6 L | 6 L |
| Canister Pressure Went to Ambient Pressure? | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO |
| Final Tracer Gas Results in sampling line | -- | -- | -- | -- | -- |
| Final Tracer Gas Results in shroud | -- | -- | -- | -- | -- |
| Associated Ambient Air Sample Number | -- | 085_Ambient-1 | 085_Ambient-1 | 085_Ambient-1 | 085_Ambient-1 |
| Weather 24 hours before and during sampling | 75, Sunny, Clear | | | | |
| General Comments | | | | | |



SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 280 West 155th Street

Samplers: MG

Date: 9/14/2020

| | | | | | |
|---|--|---|---|---|---|
| Sample # | 086_LSV-13 | 087_DUP-1 | 094_LSV-16 | 089_LSV-17 | 088_LSV-18 |
| Location | LSV-13 | LSV-13 | LSV-16 | LSV-17 | LSV-18 |
| Summa Canister ID | 2465 | 3392 | 1621 | 3346 | 953 |
| Flow Controller ID | 1746 | 954 | 1107 | 1794 | 1587 |
| Sample Depth (b.g.s.) | 3' | 3' | 3.5' | 7.5' | 4' |
| Additional Tubing Added | <input checked="" type="radio"/> YES NO/ How much ~2' | <input checked="" type="radio"/> YES NO/ How much ~2' | <input checked="" type="radio"/> YES NO/ How much ~2' | <input checked="" type="radio"/> YES NO/ How much ~2' | <input checked="" type="radio"/> YES NO/ How much ~2' |
| Purge Time (Start) | 7:40 | 7:40 | 11:35 | 8:15 | 8:00 |
| Purge Time (Stop) | 7:45 | 7:45 | 11:40 | 8:20 | 8:05 |
| Total Purge Time (min) | 5 | 5 | 5 | 5 | 5 |
| Purge Volume | 1 L | 1 L | 1 L | 1 L | 1 L |
| PID Test of Purge Air | 5,313 ppb | 5,313 ppb | 5,687 ppb | 4,158 ppb | 2,258 ppb |
| Initial Tracer Gas Results in sampling line | 0% | 0% | 0% | 0% | 0% |
| Initial Tracer Gas Results in shroud | 97.3% | 97.3% | 97.8% | 95.2% | 94.8% |
| Pressure Gauge - before sampling | -29.6 | -29.4 | -29.3 | -29.3 | -29.7 |
| Sample Time (Start) | 7:50 | 7:50 | 11:45 | 9:30 | 8:10 |
| Sample Time (Stop) | 9:52 | 9:52 | 13:40 | 11:30 | 10:20 |
| Total Sample Time (min) | 122 | 122 | 115 | 120 | 130 |
| Pressure Gauge - after sampling | -5.94 | -3.07 | -3.87 | -4.79 | -3.98 |
| Sample Volume | 6 L | 6 L | 6 L | 6 L | 6 L |
| Canister Pressure Went to Ambient Pressure? | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO |
| Final Tracer Gas Results in sampling line | -- | -- | -- | -- | -- |
| Final Tracer Gas Results in shroud | -- | -- | -- | -- | -- |
| Associated Ambient Air Sample Number | 085_Ambient-1 | 085_Ambient-1 | 085_Ambient-1 | 085_Ambient-1 | 085_Ambient-1 |
| Weather 24 hours before and during sampling | 75, Sunny, Clear | | | | |
| General Comments | First Summa canister at LSV-17 went to ambient within 35 minutes, used new canister and flow controller. | | | | |

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 280 West 155th Street

Samplers: MG

Date: 9/15/2020

| Sample # | 095_Ambient-2 | 097_LSV-5 | 099_LSV-6 | 100_LSV-9 | 101_LSV-10 |
|---|---------------------------------|---|---|---|---|
| Location | -- | LSV-5 | LSV-6 | LSV-9 | LSV-10 |
| Summa Canister ID | 3300 | 1534 | 3319 | 2331 | 3314 |
| Flow Controller ID | 1653 | 648 | 623 | 1724 | 968 |
| Sample Depth (b.g.s.) | -- | 3.5' | 3.5' | 3' | 6' |
| Additional Tubing Added | NO YES - How much | NO YES How much ~2' | NO YES How much ~2' | NO YES How much ~2' | NO YES How much ~2' |
| Purge Time (Start) | X | 7:30 | 8:00 | 8:15 | 8:50 |
| Purge Time (Stop) | | 7:35 | 8:05 | 8:20 | 8:55 |
| Total Purge Time (min) | | 5 | 5 | 5 | 5 |
| Purge Volume | | 1 L | 1 L | 1 L | 1 L |
| PID Test of Purge Air | | 1,762 ppb | 1,541 ppb | 1,004 ppb | 2,028 ppb |
| Initial Tracer Gas Results in sampling line | | 0% | 0% | 0% | 0% |
| Initial Tracer Gas Results in shroud | | 98.9% | 98.5% | 95.6% | 96.9% |
| Pressure Gauge - before sampling | | -29.5 | -29.5 | -29.6 | -29.5 |
| Sample Time (Start) | 7:00 | 7:40 | 8:10 | 8:25 | 9:00 |
| Sample Time (Stop) | 14:40 | 9:58 | 10:00 | 10:20 | 11:15 |
| Total Sample Time (min) | 460 | 138 | 110 | 115 | 135 |
| Pressure Gauge - after sampling | -6.44 | -3.46 | -1.67 | -4.67 | -0.89 |
| Sample Volume | 6 L | 6 L | 6 L | 6 L | 6 L |
| Canister Pressure Went to Ambient Pressure? | YES NO | YES NO | YES NO | YES NO | YES NO |
| Final Tracer Gas Results in sampling line | -- | -- | -- | -- | -- |
| Final Tracer Gas Results in shroud | -- | -- | -- | -- | -- |
| Associated Ambient Air Sample Number | -- | 095_Ambient-2 | 095_Ambient-2 | 095_Ambient-2 | 095_Ambient-2 |
| Weather 24 hours before and during sampling | 70, Sunny, Clear | | | | |
| General Comments | | | | | |

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: 280 West 155th Street

Samplers: MG

Date: 9/15/2020

| | | | | | |
|---|---|---|---|---|---|
| Sample # | 096_LSV-14 | 098_LSV-15 | | | |
| Location | LSV-14 | LSV-15 | | | |
| Summa Canister ID | 2889 | 2069 | | | |
| Flow Controller ID | 69 | 1081 | | | |
| Sample Depth (b.g.s.) | 4' | 3' | | | |
| Additional Tubing Added | <input checked="" type="radio"/> YES NO/ How much ~2' | <input checked="" type="radio"/> YES NO/ How much ~2' | <input type="radio"/> NO YES - How much | <input type="radio"/> NO YES - How much | <input type="radio"/> NO YES - How much |
| Purge Time (Start) | 7:15 | 7:45 | | | |
| Purge Time (Stop) | 7:20 | 7:50 | | | |
| Total Purge Time (min) | 5 | 5 | | | |
| Purge Volume | 1 L | 1 L | | | |
| PID Test of Purge Air | 1,252 ppb | 1,195 ppb | | | |
| Initial Tracer Gas Results in sampling line | 0% | 0% | | | |
| Initial Tracer Gas Results in shroud | 94.1% | 97.4% | | | |
| Pressure Gauge - before sampling | -29.5 | -29.7 | | | |
| Sample Time (Start) | 7:25 | 7:55 | | | |
| Sample Time (Stop) | 10:17 | 9:40 | | | |
| Total Sample Time (min) | 172 | 105 | | | |
| Pressure Gauge - after sampling | -4.66 | -4.77 | | | |
| Sample Volume | 6 L | 6 L | | | |
| Canister Pressure Went to Ambient Pressure? | YES <input checked="" type="radio"/> NO | YES <input checked="" type="radio"/> NO | YES / NO | YES / NO | YES / NO |
| Final Tracer Gas Results in sampling line | -- | -- | | | |
| Final Tracer Gas Results in shroud | -- | -- | | | |
| Associated Ambient Air Sample Number | 095_Ambient-2 | 095_Ambient-2 | | | |
| Weather 24 hours before and during sampling | 75, Sunny, Clear | | | | |
| General Comments | | | | | |

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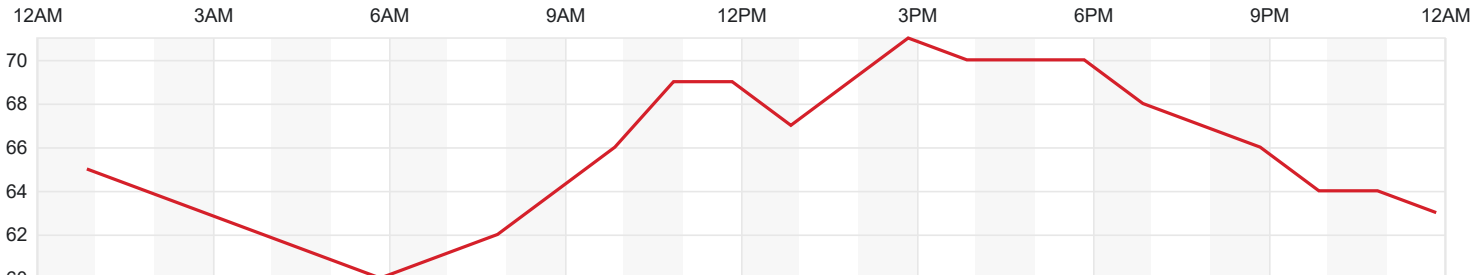
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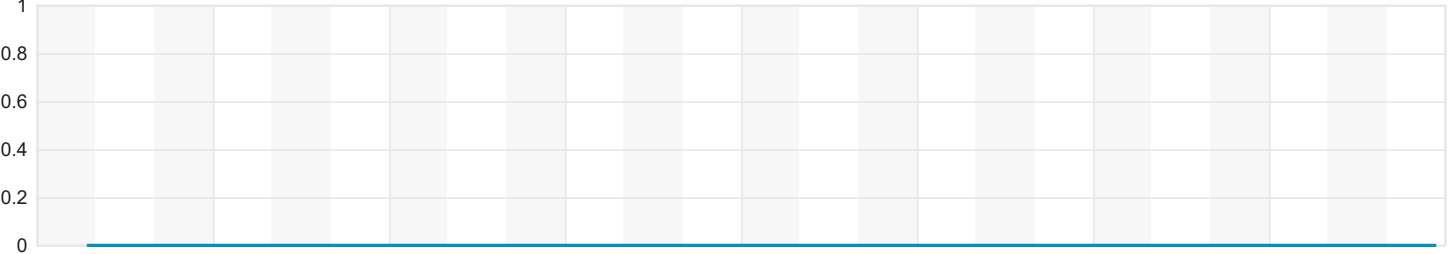
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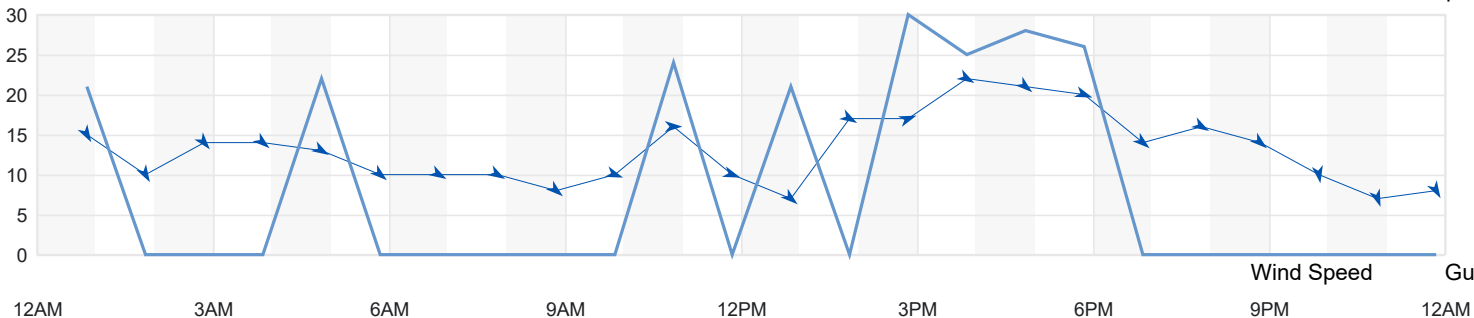
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Temperature (°F)



Precipitation (in)



Wind Speed Gust (mph)

Summary

| | | | | |
|---|------------|---------------|----------|---|
| Temperature (° F) | Actual | Historic Avg. | Record | ▲ |
| High Temp | 71 | 77 | 93 | |
| Low Temp | 60 | 60 | 49 | |
| Day Average Temp | 65.63 | 68 | - | |
| Precipitation (Inches) | Actual | Historic Avg. | Record | ▲ |
| Precipitation (past 24 hours from 11:51:00) | 0.39 | 0.14 | - | |
| Dew Point (° F) | Actual | Historic Avg. | Record | ▲ |
| Dew Point | 39.33 | - | - | |
| High | 48 | - | - | |
| Low | 29 | - | - | |
| Average | 39.33 | - | - | |
| Wind (MPH) | Actual | Historic Avg. | Record | ▲ |
| Max Wind Speed | 22 | - | - | |
| Visibility | 10 | - | - | |
| Sea Level Pressure (Hg) | Actual | Historic Avg. | Record | ▲ |
| Sea Level Pressure | 30.03 | - | - | |
| Astronomy | Day Length | Rise | Set | ▲ |
| Actual Time | 14h 55m | 5:27 AM | 8:22 PM | |
| Civil Twilight | | 4:54 AM | 8:55 PM | |
| Nautical Twilight | | 4:12 AM | 9:37 PM | |
| Astronomical Twilight | | 3:24 AM | 10:25 PM | |
| Moon: new moon | | 5:45 AM | 8:43 PM | |

Daily Observations

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|---------------|
| 12:51 AM | 65 °F | 48 °F | 54 % | NNW | 15 mph | 21 mph | 29.74 in | 0.0 in | Fair |
| 1:51 AM | 64 °F | 45 °F | 50 % | NNW | 10 mph | 0 mph | 29.74 in | 0.0 in | Mostly Cloudy |
| 2:51 AM | 63 °F | 48 °F | 58 % | NW | 14 mph | 0 mph | 29.74 in | 0.0 in | Fair |
| 3:51 AM | 62 °F | 48 °F | 60 % | NW | 14 mph | 0 mph | 29.76 in | 0.0 in | Mostly Cloudy |
| 4:51 AM | 61 °F | 47 °F | 60 % | WNW | 13 mph | 22 mph | 29.77 in | 0.0 in | Fair |
| 5:51 AM | 60 °F | 46 °F | 60 % | NW | 10 mph | 0 mph | 29.82 in | 0.0 in | Fair |
| 6:51 AM | 61 °F | 46 °F | 58 % | WNW | 10 mph | 0 mph | 29.84 in | 0.0 in | Fair |

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|---------------|
| 7:51 AM | 62 °F | 44 °F | 52 % | WNW | 10 mph | 0 mph | 29.86 in | 0.0 in | Fair |
| 8:51 AM | 64 °F | 39 °F | 40 % | NW | 8 mph | 0 mph | 29.87 in | 0.0 in | Partly Cloudy |
| 9:51 AM | 66 °F | 40 °F | 38 % | WNW | 10 mph | 0 mph | 29.85 in | 0.0 in | Partly Cloudy |
| 10:51 AM | 69 °F | 39 °F | 33 % | W | 16 mph | 24 mph | 29.87 in | 0.0 in | Mostly Cloudy |
| 11:51 AM | 69 °F | 38 °F | 32 % | WNW | 10 mph | 0 mph | 29.88 in | 0.0 in | Mostly Cloudy |
| 12:51 PM | 67 °F | 38 °F | 34 % | NW | 7 mph | 21 mph | 29.87 in | 0.0 in | Partly Cloudy |
| 1:51 PM | 69 °F | 36 °F | 30 % | WNW | 17 mph | 0 mph | 29.86 in | 0.0 in | Fair |
| 2:51 PM | 71 °F | 29 °F | 21 % | WSW | 17 mph | 30 mph | 29.86 in | 0.0 in | Fair |
| 3:51 PM | 70 °F | 30 °F | 23 % | WNW | 22 mph | 25 mph | 29.87 in | 0.0 in | Fair / Windy |
| 4:51 PM | 70 °F | 29 °F | 22 % | NW | 21 mph | 28 mph | 29.88 in | 0.0 in | Fair / Windy |
| 5:51 PM | 70 °F | 33 °F | 26 % | WNW | 20 mph | 26 mph | 29.89 in | 0.0 in | Fair |
| 6:51 PM | 68 °F | 37 °F | 32 % | NW | 14 mph | 0 mph | 29.91 in | 0.0 in | Fair |
| 7:51 PM | 67 °F | 35 °F | 31 % | WNW | 16 mph | 0 mph | 29.95 in | 0.0 in | Fair |
| 8:51 PM | 66 °F | 36 °F | 33 % | NW | 14 mph | 0 mph | 29.97 in | 0.0 in | Fair |
| 9:51 PM | 64 °F | 37 °F | 37 % | N | 10 mph | 0 mph | 30.00 in | 0.0 in | Fair |
| 10:51 PM | 64 °F | 38 °F | 38 % | NNW | 7 mph | 0 mph | 30.01 in | 0.0 in | Fair |
| 11:51 PM | 63 °F | 38 °F | 40 % | NNW | 8 mph | 0 mph | 30.03 in | 0.0 in | Fair |

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40.77 °N, 73.86 °W

New York City, NY Weather History ★ 🏠

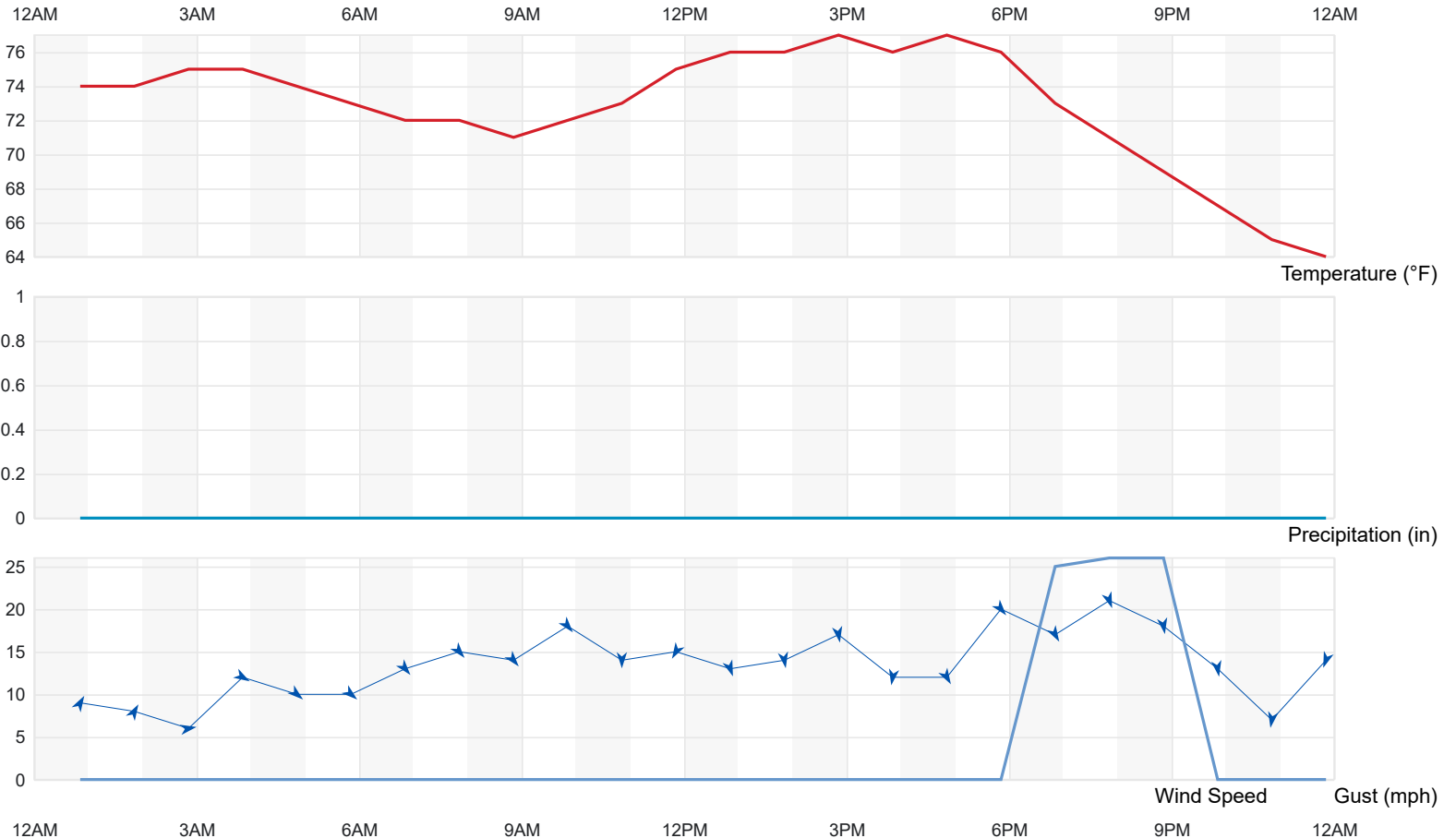
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 Weekly
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Summary

| | | | | |
|---|------------|---------------|---------|---|
| Temperature (° F) | Actual | Historic Avg. | Record | ▲ |
| High Temp | 77 | 77 | 91 | |
| Low Temp | 64 | 63 | 48 | |
| Day Average Temp | 72.79 | 70 | - | |
| Precipitation (Inches) | Actual | Historic Avg. | Record | ▲ |
| Precipitation (past 24 hours from 04:51:00) | 0.00 | 0.13 | - | |
| Dew Point (° F) | Actual | Historic Avg. | Record | ▲ |
| Dew Point | 54.13 | - | - | |
| High | 65 | - | - | |
| Low | 43 | - | - | |
| Average | 54.13 | - | - | |
| Wind (MPH) | Actual | Historic Avg. | Record | ▲ |
| Max Wind Speed | 21 | - | - | |
| Visibility | 10 | - | - | |
| Sea Level Pressure (Hg) | Actual | Historic Avg. | Record | ▲ |
| Sea Level Pressure | 30.23 | - | - | |
| Astronomy | Day Length | Rise | Set | ▲ |
| Actual Time | 12h 30m | 6:36 AM | 7:07 PM | |
| Civil Twilight | | 6:09 AM | 7:35 PM | |
| Nautical Twilight | | 5:36 AM | 8:07 PM | |
| Astronomical Twilight | | 5:03 AM | 8:40 PM | |
| Moon: waning crescent | | 2:51 AM | 5:53 PM | |

Daily Observations

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|---------------|
| 12:51 AM | 74 °F | 64 °F | 71 % | SSW | 9 mph | 0 mph | 30.00 in | 0.0 in | Cloudy |
| 1:51 AM | 74 °F | 64 °F | 71 % | SSW | 8 mph | 0 mph | 29.99 in | 0.0 in | Mostly Cloudy |
| 2:51 AM | 75 °F | 65 °F | 71 % | W | 6 mph | 0 mph | 29.99 in | 0.0 in | Mostly Cloudy |
| 3:51 AM | 75 °F | 64 °F | 69 % | WNW | 12 mph | 0 mph | 29.99 in | 0.0 in | Mostly Cloudy |
| 4:51 AM | 74 °F | 63 °F | 68 % | NW | 10 mph | 0 mph | 30.01 in | 0.0 in | Mostly Cloudy |
| 5:51 AM | 73 °F | 62 °F | 68 % | NW | 10 mph | 0 mph | 30.01 in | 0.0 in | Mostly Cloudy |
| 6:51 AM | 72 °F | 60 °F | 66 % | NW | 13 mph | 0 mph | 30.03 in | 0.0 in | Mostly Cloudy |

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|-----------------------|
| 7:51 AM | 72 °F | 59 °F | 64 % | NW | 15 mph | 0 mph | 30.05 in | 0.0 in | Mostly Cloudy |
| 8:51 AM | 71 °F | 59 °F | 66 % | NW | 14 mph | 0 mph | 30.06 in | 0.0 in | Cloudy |
| 9:51 AM | 72 °F | 57 °F | 59 % | NW | 18 mph | 0 mph | 30.08 in | 0.0 in | Cloudy |
| 10:51 AM | 73 °F | 56 °F | 55 % | N | 14 mph | 0 mph | 30.09 in | 0.0 in | Mostly Cloudy |
| 11:51 AM | 75 °F | 53 °F | 46 % | NNE | 15 mph | 0 mph | 30.09 in | 0.0 in | Mostly Cloudy |
| 12:51 PM | 76 °F | 52 °F | 43 % | NNW | 13 mph | 0 mph | 30.08 in | 0.0 in | Mostly Cloudy |
| 1:51 PM | 76 °F | 52 °F | 43 % | N | 14 mph | 0 mph | 30.08 in | 0.0 in | Mostly Cloudy |
| 2:51 PM | 77 °F | 51 °F | 40 % | N | 17 mph | 0 mph | 30.08 in | 0.0 in | Mostly Cloudy |
| 3:51 PM | 76 °F | 51 °F | 42 % | N | 12 mph | 0 mph | 30.06 in | 0.0 in | Mostly Cloudy |
| 4:51 PM | 77 °F | 50 °F | 39 % | NNW | 12 mph | 0 mph | 30.07 in | 0.0 in | Mostly Cloudy |
| 5:51 PM | 76 °F | 51 °F | 42 % | NW | 20 mph | 0 mph | 30.08 in | 0.0 in | Cloudy |
| 6:51 PM | 73 °F | 47 °F | 39 % | NNW | 17 mph | 25 mph | 30.11 in | 0.0 in | Mostly Cloudy |
| 7:51 PM | 71 °F | 45 °F | 39 % | NNW | 21 mph | 26 mph | 30.13 in | 0.0 in | Mostly Cloudy / Windy |
| 8:51 PM | 69 °F | 43 °F | 39 % | N | 18 mph | 26 mph | 30.16 in | 0.0 in | Mostly Cloudy |
| 9:51 PM | 67 °F | 43 °F | 42 % | N | 13 mph | 0 mph | 30.18 in | 0.0 in | Mostly Cloudy |
| 10:51 PM | 65 °F | 45 °F | 48 % | N | 7 mph | 0 mph | 30.21 in | 0.0 in | Mostly Cloudy |
| 11:51 PM | 64 °F | 43 °F | 46 % | NNE | 14 mph | 0 mph | 30.23 in | 0.0 in | Mostly Cloudy |

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New York City, NY Weather History ★ 🏠

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Daily

Weekly

Monthly

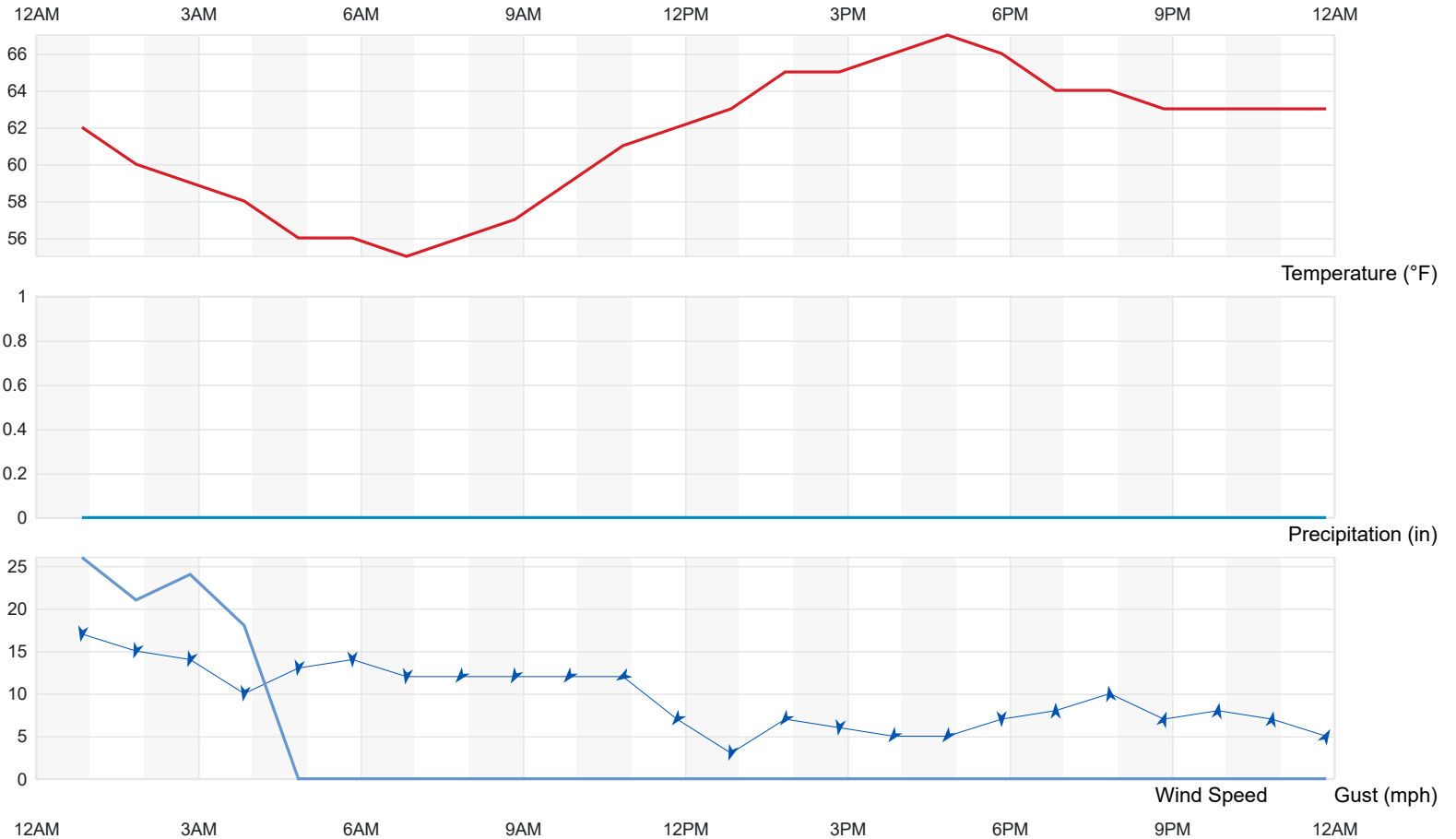
(/history/daily/US/ny/new-york-city/KLGA/date/2020-09-15) (history/weekly/US/ny/new-york-city/KLGA/date/2020-09-15) (history/monthly/US/ny/new-york-city/KLGA/date/2020-09)

September

15

2020

View



Summary

| | | | | |
|---|------------|---------------|---------|---|
| Temperature (° F) | Actual | Historic Avg. | Record | ▲ |
| High Temp | 67 | 77 | 91 | |
| Low Temp | 55 | 62 | 49 | |
| Day Average Temp | 61.38 | 70 | - | |
| Precipitation (Inches) | Actual | Historic Avg. | Record | ▲ |
| Precipitation (past 24 hours from 04:51:00) | 0.00 | 0.13 | - | |
| Dew Point (° F) | Actual | Historic Avg. | Record | ▲ |
| Dew Point | 43.04 | - | - | |
| High | 47 | - | - | |
| Low | 40 | - | - | |
| Average | 43.04 | - | - | |
| Wind (MPH) | Actual | Historic Avg. | Record | ▲ |
| Max Wind Speed | 17 | - | - | |
| Visibility | 10 | - | - | |
| Sea Level Pressure (Hg) | Actual | Historic Avg. | Record | ▲ |
| Sea Level Pressure | 30.34 | - | - | |
| Astronomy | Day Length | Rise | Set | ▲ |
| Actual Time | 12h 28m | 6:37 AM | 7:05 PM | |
| Civil Twilight | | 6:10 AM | 7:33 PM | |
| Nautical Twilight | | 5:37 AM | 8:05 PM | |
| Astronomical Twilight | | 5:04 AM | 8:39 PM | |
| Moon: waning crescent | | 4:03 AM | 6:31 PM | |

Daily Observations

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|---------------|
| 12:51 AM | 62 °F | 42 °F | 48 % | N | 17 mph | 26 mph | 30.24 in | 0.0 in | Mostly Cloudy |
| 1:51 AM | 60 °F | 41 °F | 49 % | NNE | 15 mph | 21 mph | 30.25 in | 0.0 in | Mostly Cloudy |
| 2:51 AM | 59 °F | 40 °F | 49 % | NNE | 14 mph | 24 mph | 30.25 in | 0.0 in | Mostly Cloudy |
| 3:51 AM | 58 °F | 41 °F | 53 % | N | 10 mph | 18 mph | 30.25 in | 0.0 in | Mostly Cloudy |
| 4:51 AM | 56 °F | 40 °F | 55 % | N | 13 mph | 0 mph | 30.26 in | 0.0 in | Mostly Cloudy |
| 5:51 AM | 56 °F | 40 °F | 55 % | N | 14 mph | 0 mph | 30.28 in | 0.0 in | Mostly Cloudy |
| 6:51 AM | 55 °F | 40 °F | 57 % | N | 12 mph | 0 mph | 30.30 in | 0.0 in | Cloudy |

| Time | Temperature | Dew Point | Humidity | Wind | Wind Speed | Wind Gust | Pressure | Precip. | Condition |
|----------|-------------|-----------|----------|------|------------|-----------|----------|---------|---------------|
| 7:51 AM | 56 °F | 40 °F | 55 % | NE | 12 mph | 0 mph | 30.32 in | 0.0 in | Cloudy |
| 8:51 AM | 57 °F | 40 °F | 53 % | NNE | 12 mph | 0 mph | 30.32 in | 0.0 in | Cloudy |
| 9:51 AM | 59 °F | 42 °F | 53 % | NE | 12 mph | 0 mph | 30.33 in | 0.0 in | Cloudy |
| 10:51 AM | 61 °F | 42 °F | 50 % | ENE | 12 mph | 0 mph | 30.34 in | 0.0 in | Cloudy |
| 11:51 AM | 62 °F | 43 °F | 50 % | NE | 7 mph | 0 mph | 30.33 in | 0.0 in | Mostly Cloudy |
| 12:51 PM | 63 °F | 43 °F | 48 % | NNE | 3 mph | 0 mph | 30.31 in | 0.0 in | Mostly Cloudy |
| 1:51 PM | 65 °F | 41 °F | 42 % | NE | 7 mph | 0 mph | 30.29 in | 0.0 in | Mostly Cloudy |
| 2:51 PM | 65 °F | 44 °F | 47 % | N | 6 mph | 0 mph | 30.27 in | 0.0 in | Mostly Cloudy |
| 3:51 PM | 66 °F | 43 °F | 43 % | NE | 5 mph | 0 mph | 30.26 in | 0.0 in | Mostly Cloudy |
| 4:51 PM | 67 °F | 45 °F | 45 % | NE | 5 mph | 0 mph | 30.25 in | 0.0 in | Mostly Cloudy |
| 5:51 PM | 66 °F | 46 °F | 48 % | VAR | 7 mph | 0 mph | 30.25 in | 0.0 in | Mostly Cloudy |
| 6:51 PM | 64 °F | 46 °F | 52 % | S | 8 mph | 0 mph | 30.26 in | 0.0 in | Mostly Cloudy |
| 7:51 PM | 64 °F | 46 °F | 52 % | S | 10 mph | 0 mph | 30.27 in | 0.0 in | Mostly Cloudy |
| 8:51 PM | 63 °F | 47 °F | 56 % | SSW | 7 mph | 0 mph | 30.28 in | 0.0 in | Mostly Cloudy |
| 9:51 PM | 63 °F | 47 °F | 56 % | S | 8 mph | 0 mph | 30.28 in | 0.0 in | Mostly Cloudy |
| 10:51 PM | 63 °F | 47 °F | 56 % | S | 7 mph | 0 mph | 30.27 in | 0.0 in | Mostly Cloudy |
| 11:51 PM | 63 °F | 47 °F | 56 % | SSW | 5 mph | 0 mph | 30.27 in | 0.0 in | Mostly Cloudy |

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APPENDIX E

Laboratory Data Reports



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2035280 |
| Client: | Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172 |
| ATTN: | Allyson Kritzer |
| Phone: | (973) 560-4289 |
| Project Name: | 280 WEST 155TH STREET |
| Project Number: | 100765102 |
| Report Date: | 09/16/20 |

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

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



Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|-----------------|----------------------|-------------------------|-----------------------------------|----------------------|--------------|
| L2035280-01 | 030_LSB-44_3.0-5.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 11:00 | 08/27/20 |
| L2035280-02 | 031_LSB-44_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 11:05 | 08/27/20 |
| L2035280-03 | 032_DUP-1 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 11:10 | 08/27/20 |
| L2035280-04 | 033_LSB-49_9.5-11.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 12:40 | 08/27/20 |
| L2035280-05 | 034_FB_08272020 | FIELD BLANK | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 12:00 | 08/27/20 |
| L2035280-06 | 035_LSB-52_9.5-11.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 13:00 | 08/27/20 |
| L2035280-07 | 036_TB-1 | WATER | 280 WEST 155TH ST., MANHATTAN, NY | 08/27/20 00:00 | 08/27/20 |
| L2035280-08 | 037_LSB-43_2.5-4.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 08:20 | 08/28/20 |
| L2035280-09 | 038_LSB-43_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 08:25 | 08/28/20 |
| L2035280-10 | 039_LSB-48_8.0-10.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 11:00 | 08/28/20 |
| L2035280-11 | 040_LSB-42_1.5-3.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 11:15 | 08/28/20 |
| L2035280-12 | 041_LSB-42_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 11:20 | 08/28/20 |
| L2035280-13 | 042_LSB-50_9.5-11.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 09:00 | 08/28/20 |
| L2035280-14 | 043_LSB-53_9.5-11.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 11:45 | 08/28/20 |
| L2035280-15 | 044_LSB-42_7.5-9.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 11:25 | 08/28/20 |
| L2035280-16 | 045_LSB-54_9.5-11.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 12:00 | 08/28/20 |
| L2035280-17 | 046_TB_08282020 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST., MANHATTAN, NY | 08/28/20 00:00 | 08/28/20 |
| L2035280-18 | 047_LSB-41_4.0-6.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 08:00 | 08/31/20 |
| L2035280-19 | 048_LSB-41_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 08:10 | 08/31/20 |
| L2035280-20 | 049_LSB-47_8.5-10.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 13:30 | 08/31/20 |
| L2035280-21 | 050_LSB-37_1.0-3.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 11:15 | 08/31/20 |
| L2035280-22 | 051_LSB-37_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 11:20 | 08/31/20 |
| L2035280-23 | 052_FB_08312020 | WATER | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 11:00 | 08/31/20 |

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|----------------------|-------------------------|-----------------------------------|---------------------------------|---------------------|
| L2035280-24 | 053_LSB-40_1.0-3.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 11:45 | 08/31/20 |
| L2035280-25 | 054_LSB-40_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 11:50 | 08/31/20 |
| L2035280-26 | 055_LSB-46_6.0-8.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 13:50 | 08/31/20 |
| L2035280-27 | 056_LSB-45_7.5-9.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 14:00 | 08/31/20 |
| L2035280-28 | 057_LSB-41_7.5-9.5 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 13:40 | 08/31/20 |
| L2035280-29 | 058_LSB-40_6.0-8.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 14:10 | 08/31/20 |
| L2035280-30 | 059_TB_08312020 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST., MANHATTAN, NY | 08/31/20 00:00 | 08/31/20 |
| L2035280-31 | 060_LSB-36_1.0-3.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/01/20 09:00 | 09/01/20 |
| L2035280-32 | 061_LSB-36_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/01/20 09:10 | 09/01/20 |
| L2035280-33 | 062_LSB-38_2.0-4.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/01/20 10:20 | 09/01/20 |
| L2035280-34 | 063_LSB-38_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/01/20 10:30 | 09/01/20 |
| L2035280-35 | 064_TB_09012020 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST., MANHATTAN, NY | 09/01/20 00:00 | 09/01/20 |
| L2035280-36 | 065_LSB-39_1.0-3.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/02/20 11:15 | 09/02/20 |
| L2035280-37 | 066_LSB-39_12.0-14.0 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/02/20 11:20 | 09/02/20 |
| L2035280-38 | 067_DUP-2 | SOIL | 280 WEST 155TH ST., MANHATTAN, NY | 09/02/20 11:25 | 09/02/20 |
| L2035280-39 | 068_TB_09022020 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST., MANHATTAN, NY | 09/02/20 00:00 | 09/02/20 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Case Narrative (continued)

Report Submission

September 16, 2020: This final report includes the results of all requested analyses.

September 11, 2020: This is a preliminary report.

September 10, 2020: This is a preliminary report.

September 09, 2020: This is a preliminary report.

September 08, 2020: This is a preliminary report.

September 04, 2020: This is a preliminary report.

September 03, 2020: 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

L2035280-07: A sample identified as "036_TB-1" was listed on the Chain of Custody, but not received. This was verified by the client.

Volatile Organics

L2035280-12: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2035280-12 (Low): The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (193%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2035280-13: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (44%) and the surrogate recovery for 4-bromofluorobenzene (174%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (27%) and 4-bromofluorobenzene (302%). The results of

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Case Narrative (continued)

both analyses are reported.

L2035280-20: The internal standard (IS) responses for chlorobenzene-d5 (49%) and 1,4-dichlorobenzene-d4 (25%) and the surrogate recoveries for toluene-d8 (178%) and 4-bromofluorobenzene (899%) were outside the acceptance criteria. Re-analysis was not performed due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. Since the IS response was below method criteria, all associated compounds are considered to have a potentially high bias. A high-level analysis was performed, and those results are also reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2035280-28: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (199%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2035280-36: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (38%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (29%) and the surrogate recovery for toluene-d8 (132%) and 4-bromofluorobenzene (138%). The results of both analyses are reported.

Semivolatile Organics

L2035280-04, -09, -14, -15, -20, and -28: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2035280-22: 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.

L2035280-31: The sample has elevated detection limits due to limited sample volume available for analysis. The WG1406783-2/-3 LCS/LCSD recoveries, associated with L2035280-23, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Case Narrative (continued)

The WG1405442-4 MS/MSD recoveries, performed on L2035280-18, are below the acceptance criteria for hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dinitro-o-cresol, and benzoic acid (all at 0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limit.

The WG1405766-4 MS/MSD recoveries, performed on L2035280-33, are outside the acceptance criteria for fluoranthene (0%/0%), benzo(a)anthracene (0%/0%), benzo(a)pyrene (0%/0%), benzo(b)fluoranthene (0%/0%), benzo(k)fluoranthene (0%/0%), chrysene (0%/0%), acenaphthylene (0%/0%), anthracene (0%/0%), benzo(ghi)perylene (0%/0%), fluorene (MS at 7%), phenanthrene (0%/0%), dibenzo(a,h)anthracene (0%/0%), indeno(1,2,3-cd)pyrene (0%/0%), and pyrene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

The WG1405766-5 MS/MSD recovery, performed on L2035280-33, is below the acceptance criteria for hexachlorocyclopentadiene (0%/0%), 2,4-dinitrophenol (MSD at 0%), 4,6-dinitro-o-cresol (MSD at 0%), and caprolactam (MSD at 0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Perfluorinated Alkyl Acids by Isotope Dilution

L2035280-08, -11, -12, -18, -21, and WG1406585-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2035280-09 and -37: The Extracted Internal Standard recoveries were outside the acceptance criteria for M8FOSA (<10%) however, re-extraction achieved similar results. The results of the original extractions are reported.

L2035280-22: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

L2035280-25: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The Extracted Internal Standard recovery for the WG1406585-1 Method Blank, associated with L2035280-18, -19, -21, -24, -25, -31, -32, -33, -34, -36, -37, and -38, is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated samples are non-

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Case Narrative (continued)

detect for Perfluorooctanesulfonamide (FOSA) and have an acceptable Extracted Internal Standard recovery for M8FOSA; therefore, no further actions were taken.

WG1404895-2 The Extracted Internal Standard M8FOSA is less than 10%, however all target analytes are within LCS criteria, so no further action was taken.

WG1407387-2/-3 and WG1406585-2/-3: The Extracted Internal Standard is less than 10%; however, all associated target analytes are within LCS/LCSD criteria; therefore, no further action was taken.

The WG1406585-2 LCS recovery, associated with L2035280-18, -19, -21, -24, -25, -31, -32, -33, -34, -36, -37, and -38, is below the acceptance criteria for perfluorooctanesulfonamide (fosa) (59%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported. The WG1406585-2/-3 LCS/LCSD RPD is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (48%).

Pesticides

L2035280-02: The surrogate recoveries are outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (1119%) and Decachlorobiphenyl (23%); however, the sample was not re-extracted due to coelution with obvious interferences.

L2035280-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (205%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (3566%) and decachlorobiphenyl (21%) due to interference with the Internal Standard.

L2035280-09, -12, -19, and -22: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2035280-36: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (200%/351%); however, the sample was not re-extracted due to coelution with obvious interferences.

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Case Narrative (continued)

Herbicides

L2035280-11: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2035280-01, -02, -03, -08, -09, -11, -12, -18, -19, -21, -22, -24, -25, and -31 through -34: 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.

L2035280-05: The Field Blank has a result for aluminum 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 WG1405385-4 MSD recovery, performed on L2035280-18, is outside the acceptance criteria for mercury (149%). A post digestion spike was performed and was within acceptance criteria.

The WG1405385-3/-4 MS/MSD RPD for mercury (26%), performed on L2035280-18, is above the acceptance criteria.

The WG1405382-3/-4 MS/MSD recoveries, performed on L2035280-18, are outside the acceptance criteria for arsenic (MSD at 139%), thallium (72%/71%) and vanadium (MSD at 128%). A post digestion spike was performed and was within acceptance criteria.

The WG1405382-3/-4 MS/MSD recoveries for aluminum (MS at 257%), calcium (MSD at 0%), chromium (0%/0%), copper (0%/518%), iron (0%/3770%), lead (73%/372%), magnesium (64%/59%), manganese (159%/169%) and zinc (MS at 54%), performed on L2035280-18, do not apply because the sample concentrations are greater than four times the spike amounts added. The WG1405382-3/-4 MS/MSD RPDs for copper (54%), iron (28%) and lead (45%) are above the acceptance criteria.

The WG1405867-3 MS recovery, performed on L2035280-33, is outside the acceptance criteria for mercury (130%). A post digestion spike was performed and was within acceptance criteria.

The WG1405865-3/-4 MS/MSD recoveries for aluminum (52%/0%), calcium (254%/150%), iron (0%/0%), lead (MSD at 53%) and manganese (MSD at 9%), performed on L2035280-33, do not apply because the sample concentrations are greater than four times the spike amounts added. The WG1405865-3/-4 MS/MSD RPD for

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

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Case Narrative (continued)

manganese (21%) is above the acceptance criteria.

The WG1405865-4 MSD recovery, performed on L2035280-33, is outside the acceptance criteria for copper (64%). A post digestion spike was performed and yielded an unacceptable recovery of 71%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1405867-3 MS recovery, performed on L2035280-33, is outside the acceptance criteria for mercury (130%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 09/16/20

ORGANICS

VOLATILES

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 21:03
 Analyst: MV
 Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.4 | 2.5 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.25 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.54 | 0.21 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.54 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.3 | 0.75 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.28 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.54 | 0.18 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.54 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.30 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.54 | 0.17 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.54 | 0.17 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.54 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.3 | 0.27 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.54 | 0.18 | 1 |
| Benzene | ND | | ug/kg | 0.54 | 0.18 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.59 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.3 | 1.0 | 1 |
| Bromomethane | ND | | ug/kg | 2.2 | 0.63 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.36 | 1 |
| Chloroethane | ND | | ug/kg | 2.2 | 0.49 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.26 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.15 | 1 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.54 | 0.15 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.2 | 0.22 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.2 | 0.61 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.32 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.32 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.15 | 1 |
| Dibromomethane | ND | | ug/kg | 2.2 | 0.26 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.21 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 0.99 | 1 |
| Acetone | ND | | ug/kg | 11 | 5.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 4.9 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.4 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.3 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.2 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.2 | 0.22 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.2 | 0.22 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.2 | 0.18 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.54 | 0.14 | 1 |
| Bromobenzene | ND | | ug/kg | 2.2 | 0.16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.18 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.2 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.2 | 0.21 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.2 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.2 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.3 | 0.18 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.3 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.3 | 1.2 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
Client ID: 030_LSB-44_3.0-5.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.18 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.2 | 0.35 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.2 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.2 | 0.21 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.2 | 0.36 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 87 | 38. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.2 | 0.19 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.2 | 0.42 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.2 | 0.21 | 1 |
| Ethyl ether | ND | | ug/kg | 2.2 | 0.37 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.4 | 1.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
Client ID: 031_LSB-44_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/20 21:29
Analyst: MV
Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.3 | 2.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.24 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.53 | 0.21 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.53 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.2 | 0.74 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.53 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.2 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Benzene | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.57 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.2 | 0.98 | 1 |
| Bromomethane | ND | | ug/kg | 2.1 | 0.61 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.35 | 1 |
| Chloroethane | ND | | ug/kg | 2.1 | 0.48 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.25 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.53 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.1 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.1 | 0.59 | 1 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.31 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.31 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.1 | 0.25 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.21 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.97 | 1 |
| Acetone | 13 | | ug/kg | 10 | 5.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.8 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.3 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.3 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.1 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.1 | 0.22 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.1 | 0.21 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.30 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.1 | 0.18 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.14 | 1 |
| Bromobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.1 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.1 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.2 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.2 | 0.18 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.2 | 0.69 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.2 | 1.2 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
Client ID: 031_LSB-44_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.1 | 0.35 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 85 | 37. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.1 | 0.19 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.1 | 0.41 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 2.1 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.3 | 1.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/20 21:55
Analyst: MV
Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.7 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.57 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.57 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.6 | 0.79 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.57 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.6 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.62 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.52 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-03

Date Collected: 08/27/20 11:10

Client ID: 032_DUP-1

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.57 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.64 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.3 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 14 | | ug/kg | 11 | 5.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.2 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.3 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.3 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.3 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.3 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.6 | 0.19 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.6 | 0.74 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.6 | 1.3 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.37 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 91 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.3 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.3 | 0.39 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.7 | 1.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04
 Client ID: 033_LSB-49_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 09:52
 Analyst: JC
 Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.3 | 2.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | 0.24 | J | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.24 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| Tetrachloroethene | 0.73 | | ug/kg | 0.53 | 0.21 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.53 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.2 | 0.73 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.53 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.2 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Benzene | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.57 | 1 |
| Ethylbenzene | 0.32 | J | ug/kg | 1.0 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.2 | 0.98 | 1 |
| Bromomethane | ND | | ug/kg | 2.1 | 0.61 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.35 | 1 |
| Chloroethane | ND | | ug/kg | 2.1 | 0.48 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.25 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04
 Client ID: 033_LSB-49_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.53 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.1 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.1 | 0.59 | 1 |
| o-Xylene | 0.65 | J | ug/kg | 1.0 | 0.31 | 1 |
| Xylenes, Total | 0.65 | J | ug/kg | 1.0 | 0.31 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.1 | 0.25 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.21 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.96 | 1 |
| Acetone | 11 | | ug/kg | 10 | 5.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.8 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.3 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.3 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.1 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.1 | 0.22 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.1 | 0.21 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.29 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.1 | 0.18 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.14 | 1 |
| Bromobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| sec-Butylbenzene | 0.21 | J | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.1 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.1 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.2 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.2 | 0.18 | 1 |
| Isopropylbenzene | 1.1 | | ug/kg | 1.0 | 0.11 | 1 |
| p-Isopropyltoluene | 0.11 | J | ug/kg | 1.0 | 0.11 | 1 |
| Naphthalene | 0.93 | J | ug/kg | 4.2 | 0.68 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.2 | 1.2 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04
Client ID: 033_LSB-49_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | 0.59 | J | ug/kg | 1.0 | 0.18 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | 0.55 | J | ug/kg | 2.1 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | 2.1 | | ug/kg | 2.1 | 0.35 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 84 | 37. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.1 | 0.19 | 1 |
| p-Ethyltoluene | 1.6 | J | ug/kg | 2.1 | 0.40 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 2.1 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.3 | 1.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 95 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 70 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8260C
 Analytical Date: 09/01/20 15:44
 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
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 | 94 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-06
 Client ID: 035_LSB-52_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 22:21
 Analyst: MV
 Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.6 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.91 | 0.13 | 1 |
| Chloroform | ND | | ug/kg | 1.4 | 0.13 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.91 | 0.21 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.91 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.91 | 0.13 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.91 | 0.24 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.46 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.46 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.6 | 0.63 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.91 | 0.23 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.46 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.46 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.91 | 0.25 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.46 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.46 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.46 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.6 | 0.22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.46 | 0.15 | 1 |
| Benzene | ND | | ug/kg | 0.46 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 0.91 | 0.50 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.91 | 0.13 | 1 |
| Chloromethane | ND | | ug/kg | 3.6 | 0.85 | 1 |
| Bromomethane | ND | | ug/kg | 1.8 | 0.53 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.91 | 0.30 | 1 |
| Chloroethane | ND | | ug/kg | 1.8 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.91 | 0.22 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-06
 Client ID: 035_LSB-52_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.46 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.16 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 1.8 | 0.18 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.8 | 0.51 | 1 |
| o-Xylene | ND | | ug/kg | 0.91 | 0.26 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.91 | 0.26 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.91 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.91 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.8 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 0.91 | 0.18 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.1 | 0.83 | 1 |
| Acetone | 21 | | ug/kg | 9.1 | 4.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.1 | 4.1 | 1 |
| 2-Butanone | 4.7 | J | ug/kg | 9.1 | 2.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.1 | 2.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.1 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.8 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.1 | 1.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.8 | 0.19 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.91 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.8 | 0.15 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.46 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.91 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.91 | 0.13 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.8 | 0.11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.7 | 0.91 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.6 | 0.15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.91 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.91 | 0.10 | 1 |
| Naphthalene | ND | | ug/kg | 3.6 | 0.59 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.6 | 1.0 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-06
Client ID: 035_LSB-52_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.91 | 0.16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.25 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.30 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 73 | 32. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.8 | 0.16 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.8 | 0.35 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 1.8 | 0.31 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.6 | 1.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 20:55
 Analyst: JC
 Percent Solids: 92%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.8 | 3.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.31 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.19 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.4 | 0.36 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.68 | 0.27 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.68 | 0.17 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.4 | 0.95 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.35 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.68 | 0.23 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.68 | 0.15 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.37 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.68 | 0.22 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.68 | 0.22 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.68 | 0.22 | 1 |
| Bromoform | ND | | ug/kg | 5.4 | 0.34 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.68 | 0.23 | 1 |
| Benzene | ND | | ug/kg | 0.68 | 0.23 | 1 |
| Toluene | ND | | ug/kg | 1.4 | 0.74 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.19 | 1 |
| Chloromethane | ND | | ug/kg | 5.4 | 1.3 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.79 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.4 | 0.46 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.62 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.32 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.19 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.68 | 0.19 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.7 | 0.20 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.7 | 0.20 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.7 | 0.23 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.27 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.76 | 1 |
| o-Xylene | ND | | ug/kg | 1.4 | 0.40 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.4 | 0.40 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.24 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.19 | 1 |
| Dibromomethane | ND | | ug/kg | 2.7 | 0.32 | 1 |
| Styrene | ND | | ug/kg | 1.4 | 0.27 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 1.2 | 1 |
| Acetone | ND | | ug/kg | 14 | 6.6 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 6.2 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 3.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 2.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 1.7 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.7 | 0.17 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 1.6 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.7 | 0.28 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.7 | 0.28 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.4 | 0.38 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.7 | 0.23 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.68 | 0.18 | 1 |
| Bromobenzene | ND | | ug/kg | 2.7 | 0.20 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.23 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.7 | 0.16 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.7 | 0.26 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.7 | 0.15 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.1 | 1.4 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.4 | 0.23 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.15 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.15 | 1 |
| Naphthalene | ND | | ug/kg | 5.4 | 0.89 | 1 |
| Acrylonitrile | ND | | ug/kg | 5.4 | 1.6 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
Client ID: 037_LSB-43_2.5-4.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.23 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.7 | 0.44 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.7 | 0.37 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.7 | 0.26 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.7 | 0.46 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 110 | 48. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.7 | 0.24 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.7 | 0.52 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.7 | 0.26 | 1 |
| Ethyl ether | ND | | ug/kg | 2.7 | 0.46 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.8 | 1.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 13:18
 Analyst: KJD
 Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.6 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.56 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.56 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.5 | 0.78 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.56 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.56 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.56 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.56 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.5 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.61 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.5 | 1.0 | 1 |
| Bromomethane | ND | | ug/kg | 2.2 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.2 | 0.51 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.15 | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.56 | 0.15 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.2 | 0.19 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.2 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.2 | 0.63 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.15 | 1 |
| Dibromomethane | ND | | ug/kg | 2.2 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 18 | | ug/kg | 11 | 5.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.1 | 1 |
| 2-Butanone | 5.1 | J | ug/kg | 11 | 2.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.2 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.2 | 0.23 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.2 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.31 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.2 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.56 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.2 | 0.16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.2 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.2 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.2 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.5 | 0.19 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | 0.84 | J | ug/kg | 4.5 | 0.73 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.5 | 1.3 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
Client ID: 038_LSB-43_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.2 | 0.36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.2 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.2 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.2 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 90 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.2 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.2 | 0.43 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.2 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.2 | 0.38 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.6 | 1.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-10
 Client ID: 039_LSB-48_8.0-10.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 13:43
 Analyst: KJD
 Percent Solids: 70%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 7.9 | 3.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.6 | 0.23 | 1 |
| Chloroform | ND | | ug/kg | 2.4 | 0.22 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.6 | 0.36 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.6 | 0.20 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.6 | 0.22 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.6 | 0.42 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.79 | 0.31 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.79 | 0.20 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.3 | 1.1 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.6 | 0.41 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.79 | 0.26 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.79 | 0.17 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.6 | 0.43 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.79 | 0.25 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.79 | 0.25 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.79 | 0.25 | 1 |
| Bromoform | ND | | ug/kg | 6.3 | 0.39 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.79 | 0.26 | 1 |
| Benzene | ND | | ug/kg | 0.79 | 0.26 | 1 |
| Toluene | ND | | ug/kg | 1.6 | 0.86 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.6 | 0.22 | 1 |
| Chloromethane | ND | | ug/kg | 6.3 | 1.5 | 1 |
| Bromomethane | ND | | ug/kg | 3.2 | 0.92 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.6 | 0.53 | 1 |
| Chloroethane | ND | | ug/kg | 3.2 | 0.72 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.6 | 0.38 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.4 | 0.22 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-10
 Client ID: 039_LSB-48_8.0-10.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.79 | 0.22 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.23 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.23 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.27 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.2 | 0.32 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.2 | 0.89 | 1 |
| o-Xylene | ND | | ug/kg | 1.6 | 0.46 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.6 | 0.46 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.28 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.6 | 0.22 | 1 |
| Dibromomethane | ND | | ug/kg | 3.2 | 0.38 | 1 |
| Styrene | ND | | ug/kg | 1.6 | 0.31 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 16 | 1.4 | 1 |
| Acetone | ND | | ug/kg | 16 | 7.6 | 1 |
| Carbon disulfide | ND | | ug/kg | 16 | 7.2 | 1 |
| 2-Butanone | ND | | ug/kg | 16 | 3.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 16 | 3.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 16 | 2.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.2 | 0.20 | 1 |
| 2-Hexanone | ND | | ug/kg | 16 | 1.9 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.2 | 0.32 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.2 | 0.32 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.6 | 0.44 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.2 | 0.26 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.79 | 0.21 | 1 |
| Bromobenzene | ND | | ug/kg | 3.2 | 0.23 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.6 | 0.26 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.6 | 0.23 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 3.2 | 0.19 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.2 | 0.30 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.2 | 0.17 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.8 | 1.6 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.3 | 0.27 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.6 | 0.17 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.6 | 0.17 | 1 |
| Naphthalene | ND | | ug/kg | 6.3 | 1.0 | 1 |
| Acrylonitrile | ND | | ug/kg | 6.3 | 1.8 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-10
Client ID: 039_LSB-48_8.0-10.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.6 | 0.27 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.2 | 0.51 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.2 | 0.43 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.2 | 0.31 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.2 | 0.53 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 56. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.2 | 0.28 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.2 | 0.61 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.2 | 0.30 | 1 |
| Ethyl ether | ND | | ug/kg | 3.2 | 0.54 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.9 | 2.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 15:26
 Analyst: KJD
 Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 7.5 | 3.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.22 | 1 |
| Chloroform | ND | | ug/kg | 2.3 | 0.21 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.5 | 0.35 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.5 | 0.19 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.5 | 0.21 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.40 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.75 | 0.30 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.75 | 0.19 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.0 | 1.0 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.5 | 0.39 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.75 | 0.25 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.75 | 0.16 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.5 | 0.41 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.75 | 0.24 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.75 | 0.24 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.75 | 0.24 | 1 |
| Bromoform | ND | | ug/kg | 6.0 | 0.37 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.75 | 0.25 | 1 |
| Benzene | 1.0 | | ug/kg | 0.75 | 0.25 | 1 |
| Toluene | ND | | ug/kg | 1.5 | 0.82 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.5 | 0.21 | 1 |
| Chloromethane | ND | | ug/kg | 6.0 | 1.4 | 1 |
| Bromomethane | ND | | ug/kg | 3.0 | 0.88 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.5 | 0.50 | 1 |
| Chloroethane | ND | | ug/kg | 3.0 | 0.68 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.5 | 0.36 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.3 | 0.21 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-11
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.75 | 0.21 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.0 | 0.22 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.0 | 0.22 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.0 | 0.26 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.0 | 0.30 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.0 | 0.84 | 1 |
| o-Xylene | ND | | ug/kg | 1.5 | 0.44 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.5 | 0.44 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.26 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.5 | 0.21 | 1 |
| Dibromomethane | ND | | ug/kg | 3.0 | 0.36 | 1 |
| Styrene | ND | | ug/kg | 1.5 | 0.30 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 15 | 1.4 | 1 |
| Acetone | ND | | ug/kg | 15 | 7.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 15 | 6.9 | 1 |
| 2-Butanone | ND | | ug/kg | 15 | 3.4 | 1 |
| Vinyl acetate | ND | | ug/kg | 15 | 3.2 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 15 | 1.9 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.0 | 0.19 | 1 |
| 2-Hexanone | ND | | ug/kg | 15 | 1.8 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.0 | 0.31 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.0 | 0.30 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.5 | 0.42 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.0 | 0.25 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.75 | 0.20 | 1 |
| Bromobenzene | ND | | ug/kg | 3.0 | 0.22 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.5 | 0.25 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.5 | 0.22 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 3.0 | 0.18 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.0 | 0.29 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.0 | 0.16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.5 | 1.5 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.0 | 0.26 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.5 | 0.16 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.5 | 0.16 | 1 |
| Naphthalene | ND | | ug/kg | 6.0 | 0.98 | 1 |
| Acrylonitrile | ND | | ug/kg | 6.0 | 1.7 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
Client ID: 040_LSB-42_1.5-3.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.5 | 0.26 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.0 | 0.48 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.0 | 0.41 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.0 | 0.29 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.0 | 0.50 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 120 | 53. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.0 | 0.27 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.0 | 0.58 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.0 | 0.29 | 1 |
| Ethyl ether | ND | | ug/kg | 3.0 | 0.51 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.5 | 2.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 107 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 12:00
 Analyst: JC
 Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 260 | 120 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 53 | 7.6 | 1 |
| Chloroform | ND | | ug/kg | 79 | 7.4 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 53 | 12. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 53 | 6.6 | 1 |
| Dibromochloromethane | ND | | ug/kg | 53 | 7.4 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 53 | 14. | 1 |
| Tetrachloroethene | 17 | J | ug/kg | 26 | 10. | 1 |
| Chlorobenzene | ND | | ug/kg | 26 | 6.7 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 210 | 37. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 53 | 14. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 26 | 8.8 | 1 |
| Bromodichloromethane | ND | | ug/kg | 26 | 5.7 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 53 | 14. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 26 | 8.3 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 26 | 8.3 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 26 | 8.4 | 1 |
| Bromoform | ND | | ug/kg | 210 | 13. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 26 | 8.8 | 1 |
| Benzene | ND | | ug/kg | 26 | 8.8 | 1 |
| Toluene | ND | | ug/kg | 53 | 29. | 1 |
| Ethylbenzene | ND | | ug/kg | 53 | 7.4 | 1 |
| Chloromethane | ND | | ug/kg | 210 | 49. | 1 |
| Bromomethane | ND | | ug/kg | 100 | 31. | 1 |
| Vinyl chloride | ND | | ug/kg | 53 | 18. | 1 |
| Chloroethane | ND | | ug/kg | 100 | 24. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 53 | 12. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 79 | 7.2 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Volatiles Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 26 | 7.2 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 100 | 7.6 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 100 | 7.8 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 100 | 9.0 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 10. | 1 |
| p/m-Xylene | ND | | ug/kg | 100 | 30. | 1 |
| o-Xylene | ND | | ug/kg | 53 | 15. | 1 |
| Xylenes, Total | ND | | ug/kg | 53 | 15. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 53 | 9.2 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 53 | 7.2 | 1 |
| Dibromomethane | ND | | ug/kg | 100 | 12. | 1 |
| Styrene | ND | | ug/kg | 53 | 10. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 530 | 48. | 1 |
| Acetone | ND | | ug/kg | 530 | 250 | 1 |
| Carbon disulfide | ND | | ug/kg | 530 | 240 | 1 |
| 2-Butanone | ND | | ug/kg | 530 | 120 | 1 |
| Vinyl acetate | ND | | ug/kg | 530 | 110 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 530 | 67. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 100 | 6.7 | 1 |
| 2-Hexanone | ND | | ug/kg | 530 | 62. | 1 |
| Bromochloromethane | ND | | ug/kg | 100 | 11. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 100 | 11. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 53 | 15. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 100 | 8.8 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 26 | 7.0 | 1 |
| Bromobenzene | ND | | ug/kg | 100 | 7.6 | 1 |
| n-Butylbenzene | 180 | | ug/kg | 53 | 8.8 | 1 |
| sec-Butylbenzene | 150 | | ug/kg | 53 | 7.7 | 1 |
| tert-Butylbenzene | 8.3 | J | ug/kg | 100 | 6.2 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 100 | 10. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 100 | 5.7 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 160 | 53. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 210 | 8.9 | 1 |
| Isopropylbenzene | 100 | | ug/kg | 53 | 5.7 | 1 |
| p-Isopropyltoluene | 6.2 | J | ug/kg | 53 | 5.7 | 1 |
| Naphthalene | ND | | ug/kg | 210 | 34. | 1 |
| Acrylonitrile | ND | | ug/kg | 210 | 61. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| n-Propylbenzene | 120 | | ug/kg | 53 | 9.0 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 100 | 17. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 100 | 14. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 100 | 10. | 1 |
| 1,2,4-Trimethylbenzene | 24 | J | ug/kg | 100 | 18. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 4200 | 1800 | 1 |
| p-Diethylbenzene | 160 | | ug/kg | 100 | 9.3 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 100 | 20. | 1 |
| 1,2,4,5-Tetramethylbenzene | 560 | | ug/kg | 100 | 10. | 1 |
| Ethyl ether | ND | | ug/kg | 100 | 18. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 260 | 75. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 21:47
 Analyst: JC
 Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.5 | 2.1 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.90 | 0.13 | 1 |
| Chloroform | ND | | ug/kg | 1.4 | 0.13 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.90 | 0.21 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.90 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.90 | 0.13 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.90 | 0.24 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.45 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.45 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.6 | 0.63 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.90 | 0.23 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.45 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.90 | 0.25 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.45 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.45 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.45 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.6 | 0.22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Benzene | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 0.90 | 0.49 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.90 | 0.13 | 1 |
| Chloromethane | ND | | ug/kg | 3.6 | 0.84 | 1 |
| Bromomethane | ND | | ug/kg | 1.8 | 0.52 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.90 | 0.30 | 1 |
| Chloroethane | ND | | ug/kg | 1.8 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.90 | 0.21 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.45 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.15 | 1 |
| Methyl tert butyl ether | 0.55 | J | ug/kg | 1.8 | 0.18 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.8 | 0.50 | 1 |
| o-Xylene | 1.4 | | ug/kg | 0.90 | 0.26 | 1 |
| Xylenes, Total | 1.4 | | ug/kg | 0.90 | 0.26 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.90 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.90 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.8 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 0.90 | 0.18 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.0 | 0.82 | 1 |
| Acetone | 18 | | ug/kg | 9.0 | 4.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.0 | 4.1 | 1 |
| 2-Butanone | ND | | ug/kg | 9.0 | 2.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.0 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.8 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.0 | 1.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.90 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.8 | 0.15 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.45 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| n-Butylbenzene | 32 | | ug/kg | 0.90 | 0.15 | 1 |
| sec-Butylbenzene | 29 | | ug/kg | 0.90 | 0.13 | 1 |
| tert-Butylbenzene | 1.9 | | ug/kg | 1.8 | 0.11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.7 | 0.90 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.6 | 0.15 | 1 |
| Isopropylbenzene | 24 | | ug/kg | 0.90 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.90 | 0.10 | 1 |
| Naphthalene | ND | | ug/kg | 3.6 | 0.59 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.6 | 1.0 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | 26 | | ug/kg | 0.90 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.30 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 72 | 32. | 1 |
| p-Diethylbenzene | 25 | | ug/kg | 1.8 | 0.16 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.8 | 0.35 | 1 |
| 1,2,4,5-Tetramethylbenzene | 69 | | ug/kg | 1.8 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 1.8 | 0.31 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.5 | 1.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 120 | | 70-130 |
| 4-Bromofluorobenzene | 193 | Q | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13
Client ID: 042_LSB-50_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/20 14:09
Analyst: KJD
Percent Solids: 54%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 8.0 | 3.7 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.6 | 0.23 | 1 |
| Chloroform | ND | | ug/kg | 2.4 | 0.22 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.6 | 0.37 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.6 | 0.20 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.6 | 0.22 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.6 | 0.43 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.80 | 0.31 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.80 | 0.20 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.4 | 1.1 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.6 | 0.41 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.80 | 0.27 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.80 | 0.18 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.6 | 0.44 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.80 | 0.25 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.80 | 0.25 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.80 | 0.26 | 1 |
| Bromoform | ND | | ug/kg | 6.4 | 0.40 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.80 | 0.27 | 1 |
| Benzene | ND | | ug/kg | 0.80 | 0.27 | 1 |
| Toluene | ND | | ug/kg | 1.6 | 0.87 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.6 | 0.23 | 1 |
| Chloromethane | ND | | ug/kg | 6.4 | 1.5 | 1 |
| Bromomethane | ND | | ug/kg | 3.2 | 0.93 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.6 | 0.54 | 1 |
| Chloroethane | ND | | ug/kg | 3.2 | 0.73 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.6 | 0.38 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.4 | 0.22 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-13
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.80 | 0.22 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.23 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.24 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.2 | 0.27 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.2 | 0.32 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.2 | 0.90 | 1 |
| o-Xylene | ND | | ug/kg | 1.6 | 0.47 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.6 | 0.47 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.28 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.6 | 0.22 | 1 |
| Dibromomethane | ND | | ug/kg | 3.2 | 0.38 | 1 |
| Styrene | ND | | ug/kg | 1.6 | 0.31 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 16 | 1.5 | 1 |
| Acetone | 14 | J | ug/kg | 16 | 7.7 | 1 |
| Carbon disulfide | ND | | ug/kg | 16 | 7.3 | 1 |
| 2-Butanone | ND | | ug/kg | 16 | 3.6 | 1 |
| Vinyl acetate | ND | | ug/kg | 16 | 3.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 16 | 2.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.2 | 0.20 | 1 |
| 2-Hexanone | ND | | ug/kg | 16 | 1.9 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.2 | 0.33 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.2 | 0.32 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.6 | 0.45 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.2 | 0.27 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.80 | 0.21 | 1 |
| Bromobenzene | ND | | ug/kg | 3.2 | 0.23 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.6 | 0.27 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.6 | 0.23 | 1 |
| tert-Butylbenzene | 0.43 | J | ug/kg | 3.2 | 0.19 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.2 | 0.31 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.2 | 0.17 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.8 | 1.6 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.4 | 0.27 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.6 | 0.18 | 1 |
| p-Isopropyltoluene | 7.4 | | ug/kg | 1.6 | 0.18 | 1 |
| Naphthalene | 1.0 | J | ug/kg | 6.4 | 1.0 | 1 |
| Acrylonitrile | ND | | ug/kg | 6.4 | 1.8 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.6 | 0.27 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.2 | 0.52 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.2 | 0.44 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.2 | 0.31 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.2 | 0.54 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 56. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.2 | 0.28 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.2 | 0.62 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.2 | 0.31 | 1 |
| Ethyl ether | ND | | ug/kg | 3.2 | 0.55 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 8.0 | 2.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 95 | | 70-130 |
| Toluene-d8 | 106 | | 70-130 |
| 4-Bromofluorobenzene | 174 | Q | 70-130 |
| Dibromofluoromethane | 92 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13 R
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 21:21
 Analyst: JC
 Percent Solids: 54%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 8.8 | 4.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.8 | 0.25 | 1 |
| Chloroform | ND | | ug/kg | 2.6 | 0.25 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.8 | 0.40 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.22 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.8 | 0.25 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.8 | 0.47 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.88 | 0.34 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.88 | 0.22 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 7.0 | 1.2 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.8 | 0.45 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.88 | 0.29 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.88 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.8 | 0.48 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.88 | 0.28 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.88 | 0.28 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.88 | 0.28 | 1 |
| Bromoform | ND | | ug/kg | 7.0 | 0.43 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.88 | 0.29 | 1 |
| Benzene | ND | | ug/kg | 0.88 | 0.29 | 1 |
| Toluene | ND | | ug/kg | 1.8 | 0.95 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.8 | 0.25 | 1 |
| Chloromethane | ND | | ug/kg | 7.0 | 1.6 | 1 |
| Bromomethane | ND | | ug/kg | 3.5 | 1.0 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.8 | 0.59 | 1 |
| Chloroethane | ND | | ug/kg | 3.5 | 0.79 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.8 | 0.42 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.6 | 0.24 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-13 R
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.88 | 0.24 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.5 | 0.25 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.5 | 0.26 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.5 | 0.30 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.5 | 0.35 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.5 | 0.98 | 1 |
| o-Xylene | ND | | ug/kg | 1.8 | 0.51 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.8 | 0.51 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.31 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.8 | 0.24 | 1 |
| Dibromomethane | ND | | ug/kg | 3.5 | 0.42 | 1 |
| Styrene | ND | | ug/kg | 1.8 | 0.34 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 18 | 1.6 | 1 |
| Acetone | 67 | | ug/kg | 18 | 8.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 18 | 8.0 | 1 |
| 2-Butanone | 19 | | ug/kg | 18 | 3.9 | 1 |
| Vinyl acetate | ND | | ug/kg | 18 | 3.8 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 18 | 2.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.5 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 18 | 2.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.5 | 0.36 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.35 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.8 | 0.49 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.5 | 0.29 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.88 | 0.23 | 1 |
| Bromobenzene | ND | | ug/kg | 3.5 | 0.25 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.8 | 0.29 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.8 | 0.26 | 1 |
| tert-Butylbenzene | 1.4 | J | ug/kg | 3.5 | 0.21 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.5 | 0.34 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.5 | 0.19 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.3 | 1.8 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 7.0 | 0.30 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.8 | 0.19 | 1 |
| p-Isopropyltoluene | 0.54 | J | ug/kg | 1.8 | 0.19 | 1 |
| Naphthalene | 2.0 | J | ug/kg | 7.0 | 1.1 | 1 |
| Acrylonitrile | ND | | ug/kg | 7.0 | 2.0 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13 R
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.8 | 0.30 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.5 | 0.56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.5 | 0.48 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.5 | 0.34 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.5 | 0.59 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 140 | 62. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.5 | 0.31 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.5 | 0.67 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.5 | 0.34 | 1 |
| Ethyl ether | ND | | ug/kg | 3.5 | 0.60 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 8.8 | 2.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 111 | | 70-130 |
| 4-Bromofluorobenzene | 302 | Q | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-14
 Client ID: 043_LSB-53_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 14:35
 Analyst: KJD
 Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.3 | 2.9 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.18 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.29 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.2 | 0.16 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.18 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.2 | 0.33 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.63 | 0.24 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.63 | 0.16 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.87 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.32 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.63 | 0.21 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.63 | 0.14 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.34 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.63 | 0.20 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.63 | 0.20 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.63 | 0.20 | 1 |
| Bromoform | ND | | ug/kg | 5.0 | 0.31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.63 | 0.21 | 1 |
| Benzene | ND | | ug/kg | 0.63 | 0.21 | 1 |
| Toluene | ND | | ug/kg | 1.2 | 0.68 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Chloromethane | ND | | ug/kg | 5.0 | 1.2 | 1 |
| Bromomethane | ND | | ug/kg | 2.5 | 0.73 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.2 | 0.42 | 1 |
| Chloroethane | ND | | ug/kg | 2.5 | 0.57 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.30 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.17 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-14
 Client ID: 043_LSB-53_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.63 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.21 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.5 | 0.25 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/kg | 1.2 | 0.36 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.2 | 0.36 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.22 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Dibromomethane | ND | | ug/kg | 2.5 | 0.30 | 1 |
| Styrene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 1.1 | 1 |
| Acetone | 18 | | ug/kg | 12 | 6.0 | 1 |
| Carbon disulfide | 10 | J | ug/kg | 12 | 5.7 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 2.8 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 2.7 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 1.6 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.5 | 0.16 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 1.5 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.5 | 0.26 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.5 | 0.25 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.2 | 0.35 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.5 | 0.21 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.63 | 0.16 | 1 |
| Bromobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.5 | 0.15 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.5 | 0.14 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.8 | 1.2 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.21 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| Naphthalene | 0.84 | J | ug/kg | 5.0 | 0.81 | 1 |
| Acrylonitrile | ND | | ug/kg | 5.0 | 1.4 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-14
Client ID: 043_LSB-53_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.5 | 0.40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.5 | 0.34 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.5 | 0.42 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 100 | 44. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.5 | 0.22 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.5 | 0.48 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| Ethyl ether | ND | | ug/kg | 2.5 | 0.43 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.3 | 1.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-15
 Client ID: 044_LSB-42_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 12:26
 Analyst: JC
 Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 350 | 160 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 70 | 10. | 1 |
| Chloroform | ND | | ug/kg | 100 | 9.8 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 70 | 16. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 70 | 8.7 | 1 |
| Dibromochloromethane | ND | | ug/kg | 70 | 9.8 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 70 | 19. | 1 |
| Tetrachloroethene | ND | | ug/kg | 35 | 14. | 1 |
| Chlorobenzene | ND | | ug/kg | 35 | 8.9 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 280 | 48. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 70 | 18. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 35 | 12. | 1 |
| Bromodichloromethane | ND | | ug/kg | 35 | 7.6 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 70 | 19. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 35 | 11. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 35 | 11. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 35 | 11. | 1 |
| Bromoform | ND | | ug/kg | 280 | 17. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 35 | 12. | 1 |
| Benzene | ND | | ug/kg | 35 | 12. | 1 |
| Toluene | ND | | ug/kg | 70 | 38. | 1 |
| Ethylbenzene | 29 | J | ug/kg | 70 | 9.8 | 1 |
| Chloromethane | ND | | ug/kg | 280 | 65. | 1 |
| Bromomethane | ND | | ug/kg | 140 | 40. | 1 |
| Vinyl chloride | ND | | ug/kg | 70 | 23. | 1 |
| Chloroethane | ND | | ug/kg | 140 | 32. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 70 | 17. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 100 | 9.6 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-15
 Client ID: 044_LSB-42_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 35 | 9.6 | 1 |
| 1,2-Dichlorobenzene | 10 | J | ug/kg | 140 | 10. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 140 | 10. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 140 | 12. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 140 | 14. | 1 |
| p/m-Xylene | ND | | ug/kg | 140 | 39. | 1 |
| o-Xylene | 150 | | ug/kg | 70 | 20. | 1 |
| Xylenes, Total | 150 | | ug/kg | 70 | 20. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 70 | 12. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 70 | 9.6 | 1 |
| Dibromomethane | ND | | ug/kg | 140 | 17. | 1 |
| Styrene | ND | | ug/kg | 70 | 14. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 700 | 64. | 1 |
| Acetone | ND | | ug/kg | 700 | 340 | 1 |
| Carbon disulfide | ND | | ug/kg | 700 | 320 | 1 |
| 2-Butanone | ND | | ug/kg | 700 | 160 | 1 |
| Vinyl acetate | ND | | ug/kg | 700 | 150 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 700 | 89. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 140 | 8.9 | 1 |
| 2-Hexanone | ND | | ug/kg | 700 | 82. | 1 |
| Bromochloromethane | ND | | ug/kg | 140 | 14. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 140 | 14. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 70 | 19. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 140 | 12. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 35 | 9.2 | 1 |
| Bromobenzene | ND | | ug/kg | 140 | 10. | 1 |
| n-Butylbenzene | 1500 | | ug/kg | 70 | 12. | 1 |
| sec-Butylbenzene | 1300 | | ug/kg | 70 | 10. | 1 |
| tert-Butylbenzene | 120 | J | ug/kg | 140 | 8.2 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 140 | 13. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 140 | 7.5 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 210 | 70. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 280 | 12. | 1 |
| Isopropylbenzene | 1000 | | ug/kg | 70 | 7.6 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 70 | 7.6 | 1 |
| Naphthalene | ND | | ug/kg | 280 | 45. | 1 |
| Acrylonitrile | ND | | ug/kg | 280 | 80. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-15
Client ID: 044_LSB-42_7.5-9.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| n-Propylbenzene | 1800 | | ug/kg | 70 | 12. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 140 | 22. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 140 | 19. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 140 | 13. | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 140 | 23. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 5600 | 2400 | 1 |
| p-Diethylbenzene | 1300 | | ug/kg | 140 | 12. | 1 |
| p-Ethyltoluene | ND | | ug/kg | 140 | 27. | 1 |
| 1,2,4,5-Tetramethylbenzene | 5200 | | ug/kg | 140 | 13. | 1 |
| Ethyl ether | ND | | ug/kg | 140 | 24. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 350 | 99. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 103 | | 70-130 |
| 4-Bromofluorobenzene | 116 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/02/20 15:01
 Analyst: KJD
 Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.2 | 2.8 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.17 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.29 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.2 | 0.16 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.2 | 0.33 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.62 | 0.24 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.62 | 0.16 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.86 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.32 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.62 | 0.21 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.62 | 0.14 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.34 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.62 | 0.20 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.62 | 0.20 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.62 | 0.20 | 1 |
| Bromoform | ND | | ug/kg | 5.0 | 0.31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.62 | 0.21 | 1 |
| Benzene | ND | | ug/kg | 0.62 | 0.21 | 1 |
| Toluene | ND | | ug/kg | 1.2 | 0.68 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Chloromethane | ND | | ug/kg | 5.0 | 1.2 | 1 |
| Bromomethane | ND | | ug/kg | 2.5 | 0.72 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.2 | 0.42 | 1 |
| Chloroethane | ND | | ug/kg | 2.5 | 0.56 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.30 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.17 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.62 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.5 | 0.21 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.5 | 0.25 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/kg | 1.2 | 0.36 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.2 | 0.36 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.22 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Dibromomethane | ND | | ug/kg | 2.5 | 0.30 | 1 |
| Styrene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 1.1 | 1 |
| Acetone | ND | | ug/kg | 12 | 6.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 5.7 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 2.8 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 2.7 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 1.6 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.5 | 0.16 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 1.5 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.5 | 0.26 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.5 | 0.25 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.2 | 0.35 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.5 | 0.21 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.62 | 0.16 | 1 |
| Bromobenzene | ND | | ug/kg | 2.5 | 0.18 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.5 | 0.15 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.5 | 0.13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.7 | 1.2 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.21 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.81 | 1 |
| Acrylonitrile | ND | | ug/kg | 5.0 | 1.4 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.5 | 0.40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.5 | 0.34 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.5 | 0.42 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 100 | 44. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.5 | 0.22 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.5 | 0.48 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.5 | 0.24 | 1 |
| Ethyl ether | ND | | ug/kg | 2.5 | 0.42 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.2 | 1.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-17
Client ID: 046_TB_08282020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 00:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/01/20 16:09
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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-17
 Client ID: 046_TB_08282020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 00:00
 Date Received: 08/28/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-17
Client ID: 046_TB_08282020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 00:00
Date Received: 08/28/20
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 | 95 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 15:10
 Analyst: AD
 Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.6 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.56 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.56 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.5 | 0.79 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.56 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.56 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.56 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.56 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.5 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.56 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.61 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.5 | 1.0 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.51 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.56 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.19 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.63 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.3 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | ND | | ug/kg | 11 | 5.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.1 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.3 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.3 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.56 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.3 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.3 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.5 | 0.19 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.5 | 0.74 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.5 | 1.3 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
Client ID: 047_LSB-41_4.0-6.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 90 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.3 | 0.43 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.3 | 0.38 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.6 | 1.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 11:52
 Analyst: JC
 Percent Solids: 66%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.7 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.57 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.57 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.6 | 0.79 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.57 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.6 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.62 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.52 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-19

Date Collected: 08/31/20 08:10

Client ID: 048_LSB-41_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.57 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| Methyl tert butyl ether | 0.81 | J | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.64 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.3 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 9.3 | J | ug/kg | 11 | 5.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.2 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.3 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.3 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.3 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.3 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.6 | 0.19 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.6 | 0.74 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.6 | 1.3 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.37 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 91 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.3 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.3 | 0.39 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.7 | 1.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 90 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 88 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 00:04
 Analyst: JC
 Percent Solids: 73%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 420 | 190 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 83 | 12. | 1 |
| Chloroform | ND | | ug/kg | 120 | 12. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 83 | 19. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 83 | 10. | 1 |
| Dibromochloromethane | ND | | ug/kg | 83 | 12. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 83 | 22. | 1 |
| Tetrachloroethene | ND | | ug/kg | 42 | 16. | 1 |
| Chlorobenzene | ND | | ug/kg | 42 | 10. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 330 | 58. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 83 | 21. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 42 | 14. | 1 |
| Bromodichloromethane | ND | | ug/kg | 42 | 9.0 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 83 | 23. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 42 | 13. | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 42 | 13. | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 42 | 13. | 1 |
| Bromoform | ND | | ug/kg | 330 | 20. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 42 | 14. | 1 |
| Benzene | ND | | ug/kg | 42 | 14. | 1 |
| Toluene | ND | | ug/kg | 83 | 45. | 1 |
| Ethylbenzene | ND | | ug/kg | 83 | 12. | 1 |
| Chloromethane | ND | | ug/kg | 330 | 77. | 1 |
| Bromomethane | ND | | ug/kg | 170 | 48. | 1 |
| Vinyl chloride | ND | | ug/kg | 83 | 28. | 1 |
| Chloroethane | ND | | ug/kg | 170 | 38. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 83 | 20. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 120 | 11. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Volatiles Organics by EPA 5035 High - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 42 | 11. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 170 | 12. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 170 | 12. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 170 | 14. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 170 | 17. | 1 |
| p/m-Xylene | ND | | ug/kg | 170 | 46. | 1 |
| o-Xylene | ND | | ug/kg | 83 | 24. | 1 |
| Xylenes, Total | ND | | ug/kg | 83 | 24. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 83 | 14. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 83 | 11. | 1 |
| Dibromomethane | ND | | ug/kg | 170 | 20. | 1 |
| Styrene | ND | | ug/kg | 83 | 16. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 830 | 76. | 1 |
| Acetone | ND | | ug/kg | 830 | 400 | 1 |
| Carbon disulfide | ND | | ug/kg | 830 | 380 | 1 |
| 2-Butanone | ND | | ug/kg | 830 | 180 | 1 |
| Vinyl acetate | ND | | ug/kg | 830 | 180 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 830 | 110 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 170 | 10. | 1 |
| 2-Hexanone | ND | | ug/kg | 830 | 98. | 1 |
| Bromochloromethane | ND | | ug/kg | 170 | 17. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 170 | 17. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 83 | 23. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 170 | 14. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 42 | 11. | 1 |
| Bromobenzene | ND | | ug/kg | 170 | 12. | 1 |
| n-Butylbenzene | 120 | | ug/kg | 83 | 14. | 1 |
| sec-Butylbenzene | 140 | | ug/kg | 83 | 12. | 1 |
| tert-Butylbenzene | 24 | J | ug/kg | 170 | 9.8 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 170 | 16. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 170 | 9.0 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 250 | 83. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 330 | 14. | 1 |
| Isopropylbenzene | ND | | ug/kg | 83 | 9.0 | 1 |
| p-Isopropyltoluene | 20 | J | ug/kg | 83 | 9.0 | 1 |
| Naphthalene | 300 | J | ug/kg | 330 | 54. | 1 |
| Acrylonitrile | ND | | ug/kg | 330 | 96. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 83 | 14. | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 170 | 27. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 170 | 23. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 170 | 16. | 1 |
| 1,2,4-Trimethylbenzene | 28 | J | ug/kg | 170 | 28. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 6600 | 2900 | 1 |
| p-Diethylbenzene | 20 | J | ug/kg | 170 | 15. | 1 |
| p-Ethyltoluene | ND | | ug/kg | 170 | 32. | 1 |
| 1,2,4,5-Tetramethylbenzene | 1800 | | ug/kg | 170 | 16. | 1 |
| Ethyl ether | ND | | ug/kg | 170 | 28. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 420 | 120 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 88 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 127 | | 70-130 |
| Dibromofluoromethane | 88 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 12:35
 Analyst: MV
 Percent Solids: 73%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.2 | 2.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.24 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.52 | 0.20 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.52 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.2 | 0.73 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.52 | 0.17 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.52 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.28 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.52 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.52 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.52 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.2 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.52 | 0.17 | 1 |
| Benzene | ND | | ug/kg | 0.52 | 0.17 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.57 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.2 | 0.97 | 1 |
| Bromomethane | ND | | ug/kg | 2.1 | 0.61 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.35 | 1 |
| Chloroethane | ND | | ug/kg | 2.1 | 0.47 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.25 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.52 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.1 | 0.21 | 1 |
| p/m-Xylene | 0.91 | J | ug/kg | 2.1 | 0.58 | 1 |
| o-Xylene | 4.5 | | ug/kg | 1.0 | 0.30 | 1 |
| Xylenes, Total | 5.4 | J | ug/kg | 1.0 | 0.30 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.1 | 0.25 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.96 | 1 |
| Acetone | 110 | | ug/kg | 10 | 5.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.8 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.3 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.1 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.1 | 0.21 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.1 | 0.21 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.29 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.1 | 0.17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.52 | 0.14 | 1 |
| Bromobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| n-Butylbenzene | 32 | | ug/kg | 1.0 | 0.17 | 1 |
| sec-Butylbenzene | 49 | | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | 9.9 | | ug/kg | 2.1 | 0.12 | 1 |
| o-Chlorotoluene | 14 | | ug/kg | 2.1 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.1 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.1 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.2 | 0.18 | 1 |
| Isopropylbenzene | 3.1 | | ug/kg | 1.0 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| Naphthalene | 4.5 | | ug/kg | 4.2 | 0.68 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.2 | 1.2 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.28 | 1 |
| 1,3,5-Trimethylbenzene | 0.83 | J | ug/kg | 2.1 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | 5.9 | | ug/kg | 2.1 | 0.35 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 84 | 37. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| p-Ethyltoluene | 3.4 | | ug/kg | 2.1 | 0.40 | 1 |
| 1,2,4,5-Tetramethylbenzene | 230 | | ug/kg | 2.1 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 2.1 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.2 | 1.5 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 178 | Q | 70-130 |
| 4-Bromofluorobenzene | 899 | Q | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 12:17
 Analyst: JC
 Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.28 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.55 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.94 | 1 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.59 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 | 1 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.46 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 | 1 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 | 1 |
| Acetone | ND | | ug/kg | 10 | 4.8 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.21 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.66 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
Client ID: 050_LSB-37_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.34 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 81 | 35. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.39 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 12:43
 Analyst: KJD
 Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.4 | 2.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.88 | 0.13 | 1 |
| Chloroform | ND | | ug/kg | 1.3 | 0.12 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.88 | 0.20 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.88 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.88 | 0.12 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.88 | 0.24 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.44 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.44 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.5 | 0.62 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.88 | 0.23 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.44 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.44 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.88 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.44 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.44 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.44 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.5 | 0.22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.44 | 0.15 | 1 |
| Benzene | ND | | ug/kg | 0.44 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 0.88 | 0.48 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.88 | 0.12 | 1 |
| Chloromethane | ND | | ug/kg | 3.5 | 0.82 | 1 |
| Bromomethane | ND | | ug/kg | 1.8 | 0.51 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.88 | 0.30 | 1 |
| Chloroethane | ND | | ug/kg | 1.8 | 0.40 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.88 | 0.21 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22

Date Collected: 08/31/20 11:20

Client ID: 051_LSB-37_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.44 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.15 | 1 |
| Methyl tert butyl ether | 1.4 | J | ug/kg | 1.8 | 0.18 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.8 | 0.50 | 1 |
| o-Xylene | ND | | ug/kg | 0.88 | 0.26 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.88 | 0.26 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.88 | 0.15 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.88 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.8 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 0.88 | 0.17 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 8.8 | 0.81 | 1 |
| Acetone | 6.8 | J | ug/kg | 8.8 | 4.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 8.8 | 4.0 | 1 |
| 2-Butanone | ND | | ug/kg | 8.8 | 2.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 8.8 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 8.8 | 1.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.8 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 8.8 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.88 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.8 | 0.15 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.44 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.88 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.88 | 0.13 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.6 | 0.88 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.5 | 0.15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.88 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.88 | 0.10 | 1 |
| Naphthalene | 1.2 | J | ug/kg | 3.5 | 0.58 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.5 | 1.0 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22
Client ID: 051_LSB-37_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.88 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.30 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 71 | 31. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.8 | 0.16 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.8 | 0.34 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 1.8 | 0.30 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.4 | 1.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 88 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/20 21:07
Analyst: PD

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



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
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 | 90 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
Client ID: 053_LSB-40_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/03/20 13:09
Analyst: KJD
Percent Solids: 79%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.0 | 2.7 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.28 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.2 | 0.32 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.60 | 0.24 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.60 | 0.15 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.8 | 0.83 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.31 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.60 | 0.13 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.33 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.60 | 0.19 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.60 | 0.19 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.60 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 4.8 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Benzene | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Toluene | ND | | ug/kg | 1.2 | 0.65 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 4.8 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.2 | 0.40 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.54 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.28 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.16 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.60 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.17 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.24 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.4 | 0.67 | 1 |
| o-Xylene | ND | | ug/kg | 1.2 | 0.35 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.2 | 0.35 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.4 | 0.28 | 1 |
| Styrene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 1.1 | 1 |
| Acetone | ND | | ug/kg | 12 | 5.8 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 5.5 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 2.7 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 2.6 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.4 | 0.15 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 1.4 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.4 | 0.25 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.4 | 0.24 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.2 | 0.33 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.4 | 0.20 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.60 | 0.16 | 1 |
| Bromobenzene | ND | | ug/kg | 2.4 | 0.17 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.4 | 0.14 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.4 | 0.13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.6 | 1.2 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.8 | 0.20 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| Naphthalene | ND | | ug/kg | 4.8 | 0.78 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.8 | 1.4 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
Client ID: 053_LSB-40_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.33 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.4 | 0.40 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 96 | 42. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.4 | 0.21 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.4 | 0.46 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| Ethyl ether | ND | | ug/kg | 2.4 | 0.41 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.0 | 1.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 13:35
 Analyst: KJD
 Percent Solids: 79%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.7 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.94 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.4 | 0.13 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.94 | 0.22 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.94 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.94 | 0.13 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.94 | 0.25 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.47 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.47 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.8 | 0.65 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.94 | 0.24 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.47 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.94 | 0.26 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.47 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.47 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.47 | 0.15 | 1 |
| Bromoform | ND | | ug/kg | 3.8 | 0.23 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 0.94 | 0.51 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.94 | 0.13 | 1 |
| Chloromethane | ND | | ug/kg | 3.8 | 0.88 | 1 |
| Bromomethane | ND | | ug/kg | 1.9 | 0.55 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.94 | 0.32 | 1 |
| Chloroethane | ND | | ug/kg | 1.9 | 0.42 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.94 | 0.22 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.13 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.47 | 0.13 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.16 | 1 |
| Methyl tert butyl ether | 1.1 | J | ug/kg | 1.9 | 0.19 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.9 | 0.53 | 1 |
| o-Xylene | ND | | ug/kg | 0.94 | 0.27 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.94 | 0.27 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.94 | 0.13 | 1 |
| Dibromomethane | ND | | ug/kg | 1.9 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 0.94 | 0.18 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.4 | 0.86 | 1 |
| Acetone | 7.3 | J | ug/kg | 9.4 | 4.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.4 | 4.3 | 1 |
| 2-Butanone | ND | | ug/kg | 9.4 | 2.1 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.4 | 2.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.4 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.9 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.4 | 1.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.9 | 0.19 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.9 | 0.19 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.94 | 0.26 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.9 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.47 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.94 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.9 | 0.11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.9 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.8 | 0.94 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.8 | 0.16 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.94 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.94 | 0.10 | 1 |
| Naphthalene | ND | | ug/kg | 3.8 | 0.61 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.8 | 1.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.30 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.26 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.31 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 75 | 33. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.9 | 0.17 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 1.9 | 0.32 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.7 | 1.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-26
Client ID: 055_LSB-46_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/03/20 14:01
Analyst: KJD
Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.5 | 2.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.90 | 0.13 | 1 |
| Chloroform | ND | | ug/kg | 1.3 | 0.12 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.90 | 0.21 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.90 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.90 | 0.12 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.90 | 0.24 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.45 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.45 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.6 | 0.62 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.90 | 0.23 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.45 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.90 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.45 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.45 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.45 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.6 | 0.22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Benzene | ND | | ug/kg | 0.45 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 0.90 | 0.49 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.90 | 0.13 | 1 |
| Chloromethane | ND | | ug/kg | 3.6 | 0.84 | 1 |
| Bromomethane | ND | | ug/kg | 1.8 | 0.52 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.90 | 0.30 | 1 |
| Chloroethane | ND | | ug/kg | 1.8 | 0.40 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.90 | 0.21 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-26
 Client ID: 055_LSB-46_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.45 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.8 | 0.15 | 1 |
| Methyl tert butyl ether | 0.20 | J | ug/kg | 1.8 | 0.18 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.8 | 0.50 | 1 |
| o-Xylene | ND | | ug/kg | 0.90 | 0.26 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.90 | 0.26 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.90 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.90 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.8 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 0.90 | 0.18 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.0 | 0.82 | 1 |
| Acetone | ND | | ug/kg | 9.0 | 4.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.0 | 4.1 | 1 |
| 2-Butanone | ND | | ug/kg | 9.0 | 2.0 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.0 | 1.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.8 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.18 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.90 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.8 | 0.15 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.45 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.8 | 0.13 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.90 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.90 | 0.13 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.8 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.7 | 0.89 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.6 | 0.15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.90 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.90 | 0.10 | 1 |
| Naphthalene | ND | | ug/kg | 3.6 | 0.58 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.6 | 1.0 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-26
Client ID: 055_LSB-46_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.90 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.8 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.8 | 0.30 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 72 | 31. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.8 | 0.16 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.8 | 0.34 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 1.8 | 0.30 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.5 | 1.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 87 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-27
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 15:18
 Analyst: KJD
 Percent Solids: 73%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.1 | 2.8 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.28 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.2 | 0.32 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.61 | 0.24 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.61 | 0.15 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.8 | 0.84 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.31 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.61 | 0.20 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.61 | 0.13 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.33 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.61 | 0.19 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.61 | 0.19 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.61 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 4.8 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.61 | 0.20 | 1 |
| Benzene | ND | | ug/kg | 0.61 | 0.20 | 1 |
| Toluene | ND | | ug/kg | 1.2 | 0.66 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 4.8 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.2 | 0.41 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.55 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.29 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.17 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-27
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.61 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.17 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.21 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.24 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.4 | 0.68 | 1 |
| o-Xylene | ND | | ug/kg | 1.2 | 0.35 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.2 | 0.35 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Dibromomethane | ND | | ug/kg | 2.4 | 0.29 | 1 |
| Styrene | ND | | ug/kg | 1.2 | 0.24 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 1.1 | 1 |
| Acetone | 7.4 | J | ug/kg | 12 | 5.8 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 5.5 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 2.7 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 2.6 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 1.6 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.4 | 0.15 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 1.4 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.4 | 0.25 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.4 | 0.24 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.2 | 0.34 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.4 | 0.20 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.61 | 0.16 | 1 |
| Bromobenzene | ND | | ug/kg | 2.4 | 0.18 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.4 | 0.14 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.4 | 0.13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.6 | 1.2 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.8 | 0.20 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| Naphthalene | 2.7 | J | ug/kg | 4.8 | 0.79 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.8 | 1.4 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-27
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.33 | 1 |
| 1,3,5-Trimethylbenzene | 0.23 | J | ug/kg | 2.4 | 0.23 | 1 |
| 1,2,4-Trimethylbenzene | 0.70 | J | ug/kg | 2.4 | 0.40 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 97 | 43. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.4 | 0.21 | 1 |
| p-Ethyltoluene | 0.48 | J | ug/kg | 2.4 | 0.47 | 1 |
| 1,2,4,5-Tetramethylbenzene | 0.26 | J | ug/kg | 2.4 | 0.23 | 1 |
| Ethyl ether | ND | | ug/kg | 2.4 | 0.41 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.1 | 1.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-28
 Client ID: 057_LSB-41_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 16:10
 Analyst: KJD
 Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.7 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.57 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.57 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.6 | 0.79 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.29 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.57 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.6 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.62 | 1 |
| Ethylbenzene | 0.27 | J | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.52 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-28
 Client ID: 057_LSB-41_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.57 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.64 | 1 |
| o-Xylene | 0.43 | J | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | 0.43 | J | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.3 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 18 | | ug/kg | 11 | 5.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.2 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.5 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.4 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.3 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.3 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| n-Butylbenzene | 11 | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | 73 | | ug/kg | 1.1 | 0.17 | 1 |
| tert-Butylbenzene | 5.3 | | ug/kg | 2.3 | 0.13 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.3 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.6 | 0.19 | 1 |
| Isopropylbenzene | 37 | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | 3.1 | J | ug/kg | 4.6 | 0.74 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.6 | 1.3 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-28
 Client ID: 057_LSB-41_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | 2.8 | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.37 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | 1.4 | J | ug/kg | 2.3 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 91 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| p-Ethyltoluene | 0.80 | J | ug/kg | 2.3 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | 75 | | ug/kg | 2.3 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.3 | 0.39 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.7 | 1.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 120 | | 70-130 |
| 4-Bromofluorobenzene | 199 | Q | 70-130 |
| Dibromofluoromethane | 90 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-29
 Client ID: 058_LSB-40_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/03/20 11:26
 Analyst: JC
 Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.69 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 | 1 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.33 | 1 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-29
 Client ID: 058_LSB-40_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 | 1 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.91 | 1 |
| Acetone | ND | | ug/kg | 10 | 4.8 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.5 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-29
Client ID: 058_LSB-40_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 92 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-30
Client ID: 059_TB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 00:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/02/20 21:30
Analyst: PD

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



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-30
 Client ID: 059_TB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 00:00
 Date Received: 08/31/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-30
 Client ID: 059_TB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 00:00
 Date Received: 08/31/20
 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 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 90 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 01:04
 Analyst: JC
 Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.3 | 2.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.87 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 1.3 | 0.12 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.87 | 0.20 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.87 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.87 | 0.12 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.87 | 0.23 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.43 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.5 | 0.60 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.87 | 0.22 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.43 | 0.09 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.87 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.5 | 0.21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Benzene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Toluene | ND | | ug/kg | 0.87 | 0.47 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.87 | 0.12 | 1 |
| Chloromethane | ND | | ug/kg | 3.5 | 0.81 | 1 |
| Bromomethane | ND | | ug/kg | 1.7 | 0.50 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.87 | 0.29 | 1 |
| Chloroethane | ND | | ug/kg | 1.7 | 0.39 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.87 | 0.21 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-31

Date Collected: 09/01/20 09:00

Client ID: 060_LSB-36_1.0-3.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.43 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 1.7 | 0.17 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.7 | 0.48 | 1 |
| o-Xylene | ND | | ug/kg | 0.87 | 0.25 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.87 | 0.25 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.87 | 0.15 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.87 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.7 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 0.87 | 0.17 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 8.7 | 0.79 | 1 |
| Acetone | ND | | ug/kg | 8.7 | 4.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 8.7 | 3.9 | 1 |
| 2-Butanone | ND | | ug/kg | 8.7 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/kg | 8.7 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 8.7 | 1.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.7 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 8.7 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.7 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.7 | 0.18 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.87 | 0.24 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.7 | 0.14 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Bromobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.87 | 0.14 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.87 | 0.13 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.7 | 0.10 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.7 | 0.09 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.6 | 0.86 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.5 | 0.15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.87 | 0.09 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.87 | 0.09 | 1 |
| Naphthalene | ND | | ug/kg | 3.5 | 0.56 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.5 | 1.0 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-31

Date Collected: 09/01/20 09:00

Client ID: 060_LSB-36_1.0-3.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.87 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.7 | 0.17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.7 | 0.29 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 69 | 30. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.7 | 0.33 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Ethyl ether | ND | | ug/kg | 1.7 | 0.30 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.3 | 1.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 107 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 01:30
 Analyst: JC
 Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.99 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.99 | 0.23 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.99 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.99 | 0.14 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.99 | 0.26 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.69 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.99 | 0.25 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.99 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 0.99 | 0.54 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.99 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.92 | 1 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.99 | 0.33 | 1 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.99 | 0.24 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-32

Date Collected: 09/01/20 09:10

Client ID: 061_LSB-36_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| Methyl tert butyl ether | 0.46 | J | ug/kg | 2.0 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 | 1 |
| o-Xylene | ND | | ug/kg | 0.99 | 0.29 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.99 | 0.29 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.99 | 0.17 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.99 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 | 1 |
| Styrene | ND | | ug/kg | 0.99 | 0.19 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.9 | 0.91 | 1 |
| Acetone | 7.7 | J | ug/kg | 9.9 | 4.8 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.9 | 4.5 | 1 |
| 2-Butanone | ND | | ug/kg | 9.9 | 2.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.9 | 2.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.9 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.9 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.99 | 0.28 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.99 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.99 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 0.99 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.99 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.99 | 0.11 | 1 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.64 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.99 | 0.17 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 79 | 35. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 01:55
 Analyst: JC
 Percent Solids: 88%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.7 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.94 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.4 | 0.13 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.94 | 0.22 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.94 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.94 | 0.13 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.94 | 0.25 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.47 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.47 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.8 | 0.65 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.94 | 0.24 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.47 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.94 | 0.26 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.47 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.47 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.47 | 0.15 | 1 |
| Bromoform | ND | | ug/kg | 3.8 | 0.23 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.47 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 0.94 | 0.51 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.94 | 0.13 | 1 |
| Chloromethane | ND | | ug/kg | 3.8 | 0.88 | 1 |
| Bromomethane | ND | | ug/kg | 1.9 | 0.55 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.94 | 0.32 | 1 |
| Chloroethane | ND | | ug/kg | 1.9 | 0.42 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.94 | 0.22 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.13 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.47 | 0.13 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.16 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 1.9 | 0.19 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.9 | 0.53 | 1 |
| o-Xylene | ND | | ug/kg | 0.94 | 0.27 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.94 | 0.27 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.94 | 0.13 | 1 |
| Dibromomethane | ND | | ug/kg | 1.9 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 0.94 | 0.18 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.4 | 0.86 | 1 |
| Acetone | ND | | ug/kg | 9.4 | 4.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.4 | 4.3 | 1 |
| 2-Butanone | ND | | ug/kg | 9.4 | 2.1 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.4 | 2.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.4 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.9 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.4 | 1.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.9 | 0.19 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.9 | 0.19 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.94 | 0.26 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.9 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.47 | 0.12 | 1 |
| Bromobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.94 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.9 | 0.11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.9 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.8 | 0.94 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.8 | 0.16 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.94 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.94 | 0.10 | 1 |
| Naphthalene | ND | | ug/kg | 3.8 | 0.61 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.8 | 1.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.94 | 0.16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.30 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.26 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.31 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 75 | 33. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.9 | 0.17 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.9 | 0.36 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 1.9 | 0.32 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.7 | 1.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 02:21
 Analyst: JC
 Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.3 | 2.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.86 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 1.3 | 0.12 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.86 | 0.20 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.86 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.86 | 0.12 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.86 | 0.23 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.43 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.4 | 0.60 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.86 | 0.22 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.43 | 0.09 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.86 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.4 | 0.21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Benzene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Toluene | ND | | ug/kg | 0.86 | 0.47 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.86 | 0.12 | 1 |
| Chloromethane | ND | | ug/kg | 3.4 | 0.80 | 1 |
| Bromomethane | ND | | ug/kg | 1.7 | 0.50 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.86 | 0.29 | 1 |
| Chloroethane | ND | | ug/kg | 1.7 | 0.39 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.86 | 0.20 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.12 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-34

Date Collected: 09/01/20 10:30

Client ID: 063_LSB-38_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.43 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| Methyl tert butyl ether | 2.2 | | ug/kg | 1.7 | 0.17 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.7 | 0.48 | 1 |
| o-Xylene | ND | | ug/kg | 0.86 | 0.25 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.86 | 0.25 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.86 | 0.15 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.86 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.7 | 0.20 | 1 |
| Styrene | ND | | ug/kg | 0.86 | 0.17 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 8.6 | 0.79 | 1 |
| Acetone | 18 | | ug/kg | 8.6 | 4.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 8.6 | 3.9 | 1 |
| 2-Butanone | ND | | ug/kg | 8.6 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/kg | 8.6 | 1.8 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 8.6 | 1.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.7 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 8.6 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.7 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.7 | 0.17 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.86 | 0.24 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.7 | 0.14 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Bromobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.86 | 0.14 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.86 | 0.13 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.7 | 0.10 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.7 | 0.09 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.6 | 0.86 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.4 | 0.15 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.86 | 0.09 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.86 | 0.09 | 1 |
| Naphthalene | 1.2 | J | ug/kg | 3.4 | 0.56 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.4 | 0.99 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.86 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.7 | 0.17 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.7 | 0.29 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 69 | 30. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.7 | 0.33 | 1 |
| 1,2,4,5-Tetramethylbenzene | 0.41 | J | ug/kg | 1.7 | 0.16 | 1 |
| Ethyl ether | ND | | ug/kg | 1.7 | 0.29 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.3 | 1.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 113 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-35
Client ID: 064_TB_09012020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 00:00
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/03/20 14:00
Analyst: AJK

| 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-35
 Client ID: 064_TB_09012020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 00:00
 Date Received: 09/01/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-35
Client ID: 064_TB_09012020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 00:00
Date Received: 09/01/20
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 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 114 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 18:03
 Analyst: MKS
 Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 7.2 | 3.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.4 | 0.21 | 1 |
| Chloroform | ND | | ug/kg | 2.2 | 0.20 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.33 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.4 | 0.18 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.20 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.4 | 0.38 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.72 | 0.28 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.72 | 0.18 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.7 | 1.0 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.37 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.72 | 0.24 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.72 | 0.16 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.39 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.72 | 0.23 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.72 | 0.23 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.72 | 0.23 | 1 |
| Bromoform | ND | | ug/kg | 5.7 | 0.35 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.72 | 0.24 | 1 |
| Benzene | 0.39 | J | ug/kg | 0.72 | 0.24 | 1 |
| Toluene | ND | | ug/kg | 1.4 | 0.78 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Chloromethane | ND | | ug/kg | 5.7 | 1.3 | 1 |
| Bromomethane | ND | | ug/kg | 2.9 | 0.83 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.4 | 0.48 | 1 |
| Chloroethane | ND | | ug/kg | 2.9 | 0.65 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.34 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.2 | 0.20 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.72 | 0.20 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.9 | 0.21 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.9 | 0.21 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.9 | 0.24 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.9 | 0.29 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.9 | 0.80 | 1 |
| o-Xylene | ND | | ug/kg | 1.4 | 0.42 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.4 | 0.42 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.25 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Dibromomethane | ND | | ug/kg | 2.9 | 0.34 | 1 |
| Styrene | ND | | ug/kg | 1.4 | 0.28 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 1.3 | 1 |
| Acetone | ND | | ug/kg | 14 | 6.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 6.5 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 3.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 3.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 1.8 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.9 | 0.18 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 1.7 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.9 | 0.29 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.9 | 0.29 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.4 | 0.40 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.9 | 0.24 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.72 | 0.19 | 1 |
| Bromobenzene | ND | | ug/kg | 2.9 | 0.21 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.24 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.21 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.9 | 0.17 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.9 | 0.27 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.9 | 0.16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.3 | 1.4 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.7 | 0.24 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| Naphthalene | ND | | ug/kg | 5.7 | 0.93 | 1 |
| Acrylonitrile | ND | | ug/kg | 5.7 | 1.6 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
Client ID: 065_LSB-39_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.24 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.9 | 0.46 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.9 | 0.39 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.9 | 0.28 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.9 | 0.48 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 110 | 50. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.9 | 0.25 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.9 | 0.55 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.9 | 0.27 | 1 |
| Ethyl ether | ND | | ug/kg | 2.9 | 0.49 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.2 | 2.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 115 | | 70-130 |
| Toluene-d8 | 107 | | 70-130 |
| 4-Bromofluorobenzene | 127 | | 70-130 |
| Dibromofluoromethane | 116 | | 70-130 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36 R
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/07/20 02:00
 Analyst: JC
 Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 9.3 | 4.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.8 | 0.27 | 1 |
| Chloroform | ND | | ug/kg | 2.8 | 0.26 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.8 | 0.43 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.8 | 0.23 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.8 | 0.26 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.8 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.93 | 0.36 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.93 | 0.24 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 7.4 | 1.3 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.8 | 0.48 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.93 | 0.31 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.93 | 0.20 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.8 | 0.51 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.93 | 0.29 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.93 | 0.29 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.93 | 0.30 | 1 |
| Bromoform | ND | | ug/kg | 7.4 | 0.46 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.93 | 0.31 | 1 |
| Benzene | ND | | ug/kg | 0.93 | 0.31 | 1 |
| Toluene | ND | | ug/kg | 1.8 | 1.0 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.8 | 0.26 | 1 |
| Chloromethane | 2.4 | J | ug/kg | 7.4 | 1.7 | 1 |
| Bromomethane | ND | | ug/kg | 3.7 | 1.1 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.8 | 0.62 | 1 |
| Chloroethane | ND | | ug/kg | 3.7 | 0.84 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.8 | 0.44 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.8 | 0.25 | 1 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36 R
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.93 | 0.25 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.7 | 0.27 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.7 | 0.28 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.7 | 0.32 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.7 | 0.37 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.7 | 1.0 | 1 |
| o-Xylene | ND | | ug/kg | 1.8 | 0.54 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.8 | 0.54 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.32 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.8 | 0.25 | 1 |
| Dibromomethane | ND | | ug/kg | 3.7 | 0.44 | 1 |
| Styrene | ND | | ug/kg | 1.8 | 0.36 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 18 | 1.7 | 1 |
| Acetone | 14 | J | ug/kg | 18 | 8.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 18 | 8.4 | 1 |
| 2-Butanone | ND | | ug/kg | 18 | 4.1 | 1 |
| Vinyl acetate | ND | | ug/kg | 18 | 4.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 18 | 2.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.7 | 0.24 | 1 |
| 2-Hexanone | ND | | ug/kg | 18 | 2.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.7 | 0.38 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.7 | 0.38 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.8 | 0.52 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.7 | 0.31 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.93 | 0.24 | 1 |
| Bromobenzene | ND | | ug/kg | 3.7 | 0.27 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.8 | 0.31 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.8 | 0.27 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 3.7 | 0.22 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.7 | 0.35 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.7 | 0.20 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.6 | 1.8 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 7.4 | 0.31 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.8 | 0.20 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.8 | 0.20 | 1 |
| Naphthalene | ND | | ug/kg | 7.4 | 1.2 | 1 |
| Acrylonitrile | ND | | ug/kg | 7.4 | 2.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36 R
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.8 | 0.32 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.7 | 0.60 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.7 | 0.50 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.7 | 0.36 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.7 | 0.62 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 150 | 65. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.7 | 0.33 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.7 | 0.71 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.7 | 0.35 | 1 |
| Ethyl ether | ND | | ug/kg | 3.7 | 0.63 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.3 | 2.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113 | | 70-130 |
| Toluene-d8 | 132 | Q | 70-130 |
| 4-Bromofluorobenzene | 138 | Q | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/04/20 18:42
 Analyst: MKS
 Percent Solids: 68%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.8 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.96 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.4 | 0.13 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.96 | 0.22 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.96 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.96 | 0.13 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.96 | 0.26 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.48 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.48 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.8 | 0.67 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.96 | 0.25 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.48 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.48 | 0.10 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.96 | 0.26 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.48 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.48 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.48 | 0.15 | 1 |
| Bromoform | ND | | ug/kg | 3.8 | 0.24 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.48 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.48 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 0.96 | 0.52 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.96 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 3.8 | 0.90 | 1 |
| Bromomethane | ND | | ug/kg | 1.9 | 0.56 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.96 | 0.32 | 1 |
| Chloroethane | ND | | ug/kg | 1.9 | 0.43 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.96 | 0.23 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.13 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-37

Date Collected: 09/02/20 11:20

Client ID: 066_LSB-39_12.0-14.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatiles Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.48 | 0.13 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.9 | 0.16 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 1.9 | 0.19 | 1 |
| p/m-Xylene | ND | | ug/kg | 1.9 | 0.54 | 1 |
| o-Xylene | ND | | ug/kg | 0.96 | 0.28 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.96 | 0.28 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.96 | 0.17 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.96 | 0.13 | 1 |
| Dibromomethane | ND | | ug/kg | 1.9 | 0.23 | 1 |
| Styrene | ND | | ug/kg | 0.96 | 0.19 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.6 | 0.88 | 1 |
| Acetone | 28 | | ug/kg | 9.6 | 4.6 | 1 |
| Carbon disulfide | 7.2 | J | ug/kg | 9.6 | 4.4 | 1 |
| 2-Butanone | 8.2 | J | ug/kg | 9.6 | 2.1 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.6 | 2.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.6 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.9 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.6 | 1.1 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.9 | 0.20 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.9 | 0.19 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.96 | 0.27 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.9 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.48 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 1.9 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.96 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.96 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.9 | 0.11 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.9 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.9 | 0.96 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.8 | 0.16 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.96 | 0.10 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.96 | 0.10 | 1 |
| Naphthalene | 0.96 | J | ug/kg | 3.8 | 0.62 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.8 | 1.1 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.96 | 0.16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.31 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.9 | 0.26 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 1.9 | 0.32 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 77 | 34. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.9 | 0.17 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.9 | 0.37 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 1.9 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 1.9 | 0.33 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.8 | 1.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 120 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:39
Analyst: MV
Percent Solids: 83%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 8.2 | 3.7 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.6 | 0.24 | 1 |
| Chloroform | ND | | ug/kg | 2.4 | 0.23 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.6 | 0.38 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.6 | 0.20 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.6 | 0.23 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.6 | 0.44 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.82 | 0.32 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.82 | 0.21 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.5 | 1.1 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.6 | 0.42 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.82 | 0.27 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.82 | 0.18 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.6 | 0.45 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.82 | 0.26 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.82 | 0.26 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.82 | 0.26 | 1 |
| Bromoform | ND | | ug/kg | 6.5 | 0.40 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.82 | 0.27 | 1 |
| Benzene | ND | | ug/kg | 0.82 | 0.27 | 1 |
| Toluene | ND | | ug/kg | 1.6 | 0.89 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.6 | 0.23 | 1 |
| Chloromethane | ND | | ug/kg | 6.5 | 1.5 | 1 |
| Bromomethane | ND | | ug/kg | 3.3 | 0.95 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.6 | 0.55 | 1 |
| Chloroethane | ND | | ug/kg | 3.3 | 0.74 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.6 | 0.39 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.4 | 0.22 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-38

Date Collected: 09/02/20 11:25

Client ID: 067_DUP-2

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.82 | 0.22 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 3.3 | 0.24 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 3.3 | 0.24 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 3.3 | 0.28 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.3 | 0.33 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.3 | 0.92 | 1 |
| o-Xylene | ND | | ug/kg | 1.6 | 0.48 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.6 | 0.48 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.28 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.6 | 0.22 | 1 |
| Dibromomethane | ND | | ug/kg | 3.3 | 0.39 | 1 |
| Styrene | ND | | ug/kg | 1.6 | 0.32 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 16 | 1.5 | 1 |
| Acetone | ND | | ug/kg | 16 | 7.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 16 | 7.4 | 1 |
| 2-Butanone | ND | | ug/kg | 16 | 3.6 | 1 |
| Vinyl acetate | ND | | ug/kg | 16 | 3.5 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 16 | 2.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 3.3 | 0.21 | 1 |
| 2-Hexanone | ND | | ug/kg | 16 | 1.9 | 1 |
| Bromochloromethane | ND | | ug/kg | 3.3 | 0.33 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 3.3 | 0.33 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.6 | 0.46 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 3.3 | 0.27 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.82 | 0.22 | 1 |
| Bromobenzene | ND | | ug/kg | 3.3 | 0.24 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.6 | 0.27 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.6 | 0.24 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 3.3 | 0.19 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 3.3 | 0.31 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 3.3 | 0.18 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 4.9 | 1.6 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.5 | 0.28 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.6 | 0.18 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.6 | 0.18 | 1 |
| Naphthalene | ND | | ug/kg | 6.5 | 1.1 | 1 |
| Acrylonitrile | ND | | ug/kg | 6.5 | 1.9 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.6 | 0.28 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 3.3 | 0.53 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 3.3 | 0.44 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 3.3 | 0.32 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 3.3 | 0.54 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 57. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 3.3 | 0.29 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 3.3 | 0.63 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 3.3 | 0.31 | 1 |
| Ethyl ether | ND | | ug/kg | 3.3 | 0.56 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 8.2 | 2.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-39
Client ID: 068_TB_09022020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 00:00
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/03/20 14:22
Analyst: AJK

| 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-39
 Client ID: 068_TB_09022020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 00:00
 Date Received: 09/02/20
 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-39
Client ID: 068_TB_09022020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 00:00
Date Received: 09/02/20
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 | 106 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 08/31/20 19:20
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06 Batch: WG1405023-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/20 19:20
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06 Batch: WG1405023-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 08/31/20 19:20
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06 Batch: WG1405023-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,17 Batch: WG1405387-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,17 Batch: WG1405387-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,17 Batch: WG1405387-5 | | | | | |
| 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 | 94 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 12,15 Batch: WG1405614-10 | | | | | |
| Methylene chloride | ND | | ug/kg | 250 | 110 |
| 1,1-Dichloroethane | ND | | ug/kg | 50 | 7.2 |
| Chloroform | ND | | ug/kg | 75 | 7.0 |
| Carbon tetrachloride | ND | | ug/kg | 50 | 12. |
| 1,2-Dichloropropane | ND | | ug/kg | 50 | 6.2 |
| Dibromochloromethane | ND | | ug/kg | 50 | 7.0 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 50 | 13. |
| Tetrachloroethene | ND | | ug/kg | 25 | 9.8 |
| Chlorobenzene | ND | | ug/kg | 25 | 6.4 |
| Trichlorofluoromethane | ND | | ug/kg | 200 | 35. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 13. |
| 1,1,1-Trichloroethane | ND | | ug/kg | 25 | 8.4 |
| Bromodichloromethane | ND | | ug/kg | 25 | 5.4 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 14. |
| cis-1,3-Dichloropropene | ND | | ug/kg | 25 | 7.9 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 25 | 7.9 |
| 1,1-Dichloropropene | ND | | ug/kg | 25 | 8.0 |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 25 | 8.3 |
| Benzene | ND | | ug/kg | 25 | 8.3 |
| Toluene | ND | | ug/kg | 50 | 27. |
| Ethylbenzene | ND | | ug/kg | 50 | 7.0 |
| Chloromethane | ND | | ug/kg | 200 | 47. |
| Bromomethane | ND | | ug/kg | 100 | 29. |
| Vinyl chloride | ND | | ug/kg | 50 | 17. |
| Chloroethane | ND | | ug/kg | 100 | 23. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 12. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 6.8 |
| Trichloroethene | ND | | ug/kg | 25 | 6.8 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 12,15 Batch: WG1405614-10 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 100 | 7.2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 100 | 7.4 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 100 | 8.6 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 10. |
| p/m-Xylene | ND | | ug/kg | 100 | 28. |
| o-Xylene | ND | | ug/kg | 50 | 14. |
| Xylenes, Total | ND | | ug/kg | 50 | 14. |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 8.8 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 6.8 |
| Dibromomethane | ND | | ug/kg | 100 | 12. |
| Styrene | ND | | ug/kg | 50 | 9.8 |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 46. |
| Acetone | ND | | ug/kg | 500 | 240 |
| Carbon disulfide | ND | | ug/kg | 500 | 230 |
| 2-Butanone | ND | | ug/kg | 500 | 110 |
| Vinyl acetate | ND | | ug/kg | 500 | 110 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 64. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 100 | 6.4 |
| 2-Hexanone | ND | | ug/kg | 500 | 59. |
| Bromochloromethane | ND | | ug/kg | 100 | 10. |
| 2,2-Dichloropropane | ND | | ug/kg | 100 | 10. |
| 1,2-Dibromoethane | ND | | ug/kg | 50 | 14. |
| 1,3-Dichloropropane | ND | | ug/kg | 100 | 8.4 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 25 | 6.6 |
| Bromobenzene | ND | | ug/kg | 100 | 7.2 |
| n-Butylbenzene | ND | | ug/kg | 50 | 8.4 |
| sec-Butylbenzene | ND | | ug/kg | 50 | 7.3 |
| tert-Butylbenzene | ND | | ug/kg | 100 | 5.9 |
| o-Chlorotoluene | ND | | ug/kg | 100 | 9.6 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 12,15 Batch: WG1405614-10 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 100 | 5.4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 150 | 50. |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 8.4 |
| Isopropylbenzene | ND | | ug/kg | 50 | 5.4 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 5.4 |
| Naphthalene | ND | | ug/kg | 200 | 32. |
| Acrylonitrile | ND | | ug/kg | 200 | 58. |
| n-Propylbenzene | ND | | ug/kg | 50 | 8.6 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 100 | 16. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 100 | 14. |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 100 | 9.6 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 100 | 17. |
| 1,4-Dioxane | ND | | ug/kg | 4000 | 1800 |
| p-Diethylbenzene | ND | | ug/kg | 100 | 8.8 |
| p-Ethyltoluene | ND | | ug/kg | 100 | 19. |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 100 | 9.6 |
| Ethyl ether | ND | | ug/kg | 100 | 17. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 71. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 19:13
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,12-13 Batch: WG1405740-12 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 19:13
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,12-13 Batch: WG1405740-12 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/02/20 19:13
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,12-13 Batch: WG1405740-12 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 86 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,09-11,13-14,16 Batch: WG1405740-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,09-11,13-14,16 Batch: WG1405740-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,09-11,13-14,16 Batch: WG1405740-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 91 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/03/20 07:09
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19,21-22,24-29 Batch: WG1406102-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 07:09
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19,21-22,24-29 Batch: WG1406102-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/03/20 07:09
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19,21-22,24-29 Batch: WG1406102-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 90 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 84 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 15:45
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1406130-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 250 | 110 |
| 1,1-Dichloroethane | ND | | ug/kg | 50 | 7.2 |
| Chloroform | ND | | ug/kg | 75 | 7.0 |
| Carbon tetrachloride | ND | | ug/kg | 50 | 12. |
| 1,2-Dichloropropane | ND | | ug/kg | 50 | 6.2 |
| Dibromochloromethane | ND | | ug/kg | 50 | 7.0 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 50 | 13. |
| Tetrachloroethene | ND | | ug/kg | 25 | 9.8 |
| Chlorobenzene | ND | | ug/kg | 25 | 6.4 |
| Trichlorofluoromethane | ND | | ug/kg | 200 | 35. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 13. |
| 1,1,1-Trichloroethane | ND | | ug/kg | 25 | 8.4 |
| Bromodichloromethane | ND | | ug/kg | 25 | 5.4 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 14. |
| cis-1,3-Dichloropropene | ND | | ug/kg | 25 | 7.9 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 25 | 7.9 |
| 1,1-Dichloropropene | ND | | ug/kg | 25 | 8.0 |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 25 | 8.3 |
| Benzene | ND | | ug/kg | 25 | 8.3 |
| Toluene | ND | | ug/kg | 50 | 27. |
| Ethylbenzene | ND | | ug/kg | 50 | 7.0 |
| Chloromethane | ND | | ug/kg | 200 | 47. |
| Bromomethane | 82 | J | ug/kg | 100 | 29. |
| Vinyl chloride | ND | | ug/kg | 50 | 17. |
| Chloroethane | ND | | ug/kg | 100 | 23. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 12. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 6.8 |
| Trichloroethene | ND | | ug/kg | 25 | 6.8 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 15:45
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1406130-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 100 | 7.2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 100 | 7.4 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 100 | 8.6 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 10. |
| p/m-Xylene | ND | | ug/kg | 100 | 28. |
| o-Xylene | ND | | ug/kg | 50 | 14. |
| Xylenes, Total | ND | | ug/kg | 50 | 14. |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 8.8 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 6.8 |
| Dibromomethane | ND | | ug/kg | 100 | 12. |
| Styrene | ND | | ug/kg | 50 | 9.8 |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 46. |
| Acetone | ND | | ug/kg | 500 | 240 |
| Carbon disulfide | ND | | ug/kg | 500 | 230 |
| 2-Butanone | ND | | ug/kg | 500 | 110 |
| Vinyl acetate | ND | | ug/kg | 500 | 110 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 64. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 100 | 6.4 |
| 2-Hexanone | ND | | ug/kg | 500 | 59. |
| Bromochloromethane | ND | | ug/kg | 100 | 10. |
| 2,2-Dichloropropane | ND | | ug/kg | 100 | 10. |
| 1,2-Dibromoethane | ND | | ug/kg | 50 | 14. |
| 1,3-Dichloropropane | ND | | ug/kg | 100 | 8.4 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 25 | 6.6 |
| Bromobenzene | ND | | ug/kg | 100 | 7.2 |
| n-Butylbenzene | ND | | ug/kg | 50 | 8.4 |
| sec-Butylbenzene | ND | | ug/kg | 50 | 7.3 |
| tert-Butylbenzene | ND | | ug/kg | 100 | 5.9 |
| o-Chlorotoluene | ND | | ug/kg | 100 | 9.6 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 15:45
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1406130-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 100 | 5.4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 150 | 50. |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 8.4 |
| Isopropylbenzene | ND | | ug/kg | 50 | 5.4 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 5.4 |
| Naphthalene | ND | | ug/kg | 200 | 32. |
| Acrylonitrile | ND | | ug/kg | 200 | 58. |
| n-Propylbenzene | ND | | ug/kg | 50 | 8.6 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 100 | 16. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 100 | 14. |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 100 | 9.6 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 100 | 17. |
| 1,4-Dioxane | ND | | ug/kg | 4000 | 1800 |
| p-Diethylbenzene | ND | | ug/kg | 100 | 8.8 |
| p-Ethyltoluene | ND | | ug/kg | 100 | 19. |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 100 | 9.6 |
| Ethyl ether | ND | | ug/kg | 100 | 17. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 71. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 90 | | 70-130 |
| Toluene-d8 | 105 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 89 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 06:59
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 18,20 Batch: WG1406233-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | 0.61 | J | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 06:59
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 18,20 Batch: WG1406233-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/03/20 06:59
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 18,20 Batch: WG1406233-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | 0.36 | J | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | 0.31 | J | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 20:44
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 23,30 Batch: WG1406246-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 20:44
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 23,30 Batch: WG1406246-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/02/20 20:44
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 23,30 Batch: WG1406246-5 | | | | | |
| 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 | 92 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 10:22
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 35,39 Batch: WG1406399-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 10:22
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 35,39 Batch: WG1406399-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/03/20 10:22
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 35,39 Batch: WG1406399-5 | | | | | |
| 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 | 106 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 105 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 18:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 31-34 Batch: WG1406401-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | 0.68 | J | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/03/20 18:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 31-34 Batch: WG1406401-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/03/20 18:10
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 31-34 Batch: WG1406401-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/20 17:27
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 36 Batch: WG1407191-10 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | 1.8 | J | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/20 17:27
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 36 Batch: WG1407191-10 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/06/20 17:27
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 36 Batch: WG1407191-10 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | 0.39 | J | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | 0.31 | J | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104 | | 70-130 |
| Toluene-d8 | 106 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/04/20 12:47
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36-37 Batch: WG1407191-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/04/20 12:47
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36-37 Batch: WG1407191-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/04/20 12:47
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36-37 Batch: WG1407191-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | 0.49 | J | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | 0.34 | J | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105 | | 70-130 |
| Toluene-d8 | 92 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 70-130 |
| Dibromofluoromethane | 109 | | 70-130 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:13
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 38 Batch: WG1408327-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:13
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 38 Batch: WG1408327-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/10/20 09:13
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 38 Batch: WG1408327-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | 0.77 | J | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | 0.19 | J | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | 0.33 | J | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |

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



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1405023-3 WG1405023-4 | | | | | | | | |
| Methylene chloride | 86 | | 87 | | 70-130 | 1 | | 30 |
| 1,1-Dichloroethane | 91 | | 92 | | 70-130 | 1 | | 30 |
| Chloroform | 82 | | 83 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 76 | | 78 | | 70-130 | 3 | | 30 |
| 1,2-Dichloropropane | 91 | | 93 | | 70-130 | 2 | | 30 |
| Dibromochloromethane | 78 | | 80 | | 70-130 | 3 | | 30 |
| 1,1,2-Trichloroethane | 85 | | 89 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 94 | | 96 | | 70-130 | 2 | | 30 |
| Chlorobenzene | 83 | | 85 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 76 | | 76 | | 70-139 | 0 | | 30 |
| 1,2-Dichloroethane | 88 | | 89 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 85 | | 86 | | 70-130 | 1 | | 30 |
| Bromodichloromethane | 80 | | 82 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 86 | | 88 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 86 | | 86 | | 70-130 | 0 | | 30 |
| 1,1-Dichloropropene | 91 | | 93 | | 70-130 | 2 | | 30 |
| Bromoform | 75 | | 78 | | 70-130 | 4 | | 30 |
| 1,1,2,2-Tetrachloroethane | 81 | | 83 | | 70-130 | 2 | | 30 |
| Benzene | 86 | | 88 | | 70-130 | 2 | | 30 |
| Toluene | 90 | | 92 | | 70-130 | 2 | | 30 |
| Ethylbenzene | 89 | | 91 | | 70-130 | 2 | | 30 |
| Chloromethane | 108 | | 106 | | 52-130 | 2 | | 30 |
| Bromomethane | 84 | | 82 | | 57-147 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1405023-3 WG1405023-4 | | | | | | | | |
| Vinyl chloride | 90 | | 90 | | 67-130 | 0 | | 30 |
| Chloroethane | 81 | | 82 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 93 | | 94 | | 65-135 | 1 | | 30 |
| trans-1,2-Dichloroethene | 91 | | 93 | | 70-130 | 2 | | 30 |
| Trichloroethene | 84 | | 87 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 87 | | 89 | | 70-130 | 2 | | 30 |
| 1,3-Dichlorobenzene | 87 | | 89 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 86 | | 87 | | 70-130 | 1 | | 30 |
| Methyl tert butyl ether | 91 | | 92 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 88 | | 90 | | 70-130 | 2 | | 30 |
| o-Xylene | 82 | | 84 | | 70-130 | 2 | | 30 |
| cis-1,2-Dichloroethene | 88 | | 90 | | 70-130 | 2 | | 30 |
| Dibromomethane | 82 | | 83 | | 70-130 | 1 | | 30 |
| Styrene | 83 | | 85 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 94 | | 94 | | 30-146 | 0 | | 30 |
| Acetone | 94 | | 85 | | 54-140 | 10 | | 30 |
| Carbon disulfide | 71 | | 73 | | 59-130 | 3 | | 30 |
| 2-Butanone | 94 | | 99 | | 70-130 | 5 | | 30 |
| Vinyl acetate | 108 | | 110 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 94 | | 99 | | 70-130 | 5 | | 30 |
| 1,2,3-Trichloropropane | 82 | | 84 | | 68-130 | 2 | | 30 |
| 2-Hexanone | 85 | | 89 | | 70-130 | 5 | | 30 |
| Bromochloromethane | 84 | | 85 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1405023-3 WG1405023-4 | | | | | | | | |
| 2,2-Dichloropropane | 88 | | 89 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 87 | | 90 | | 70-130 | 3 | | 30 |
| 1,3-Dichloropropane | 88 | | 89 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 82 | | 84 | | 70-130 | 2 | | 30 |
| Bromobenzene | 83 | | 85 | | 70-130 | 2 | | 30 |
| n-Butylbenzene | 85 | | 86 | | 70-130 | 1 | | 30 |
| sec-Butylbenzene | 89 | | 91 | | 70-130 | 2 | | 30 |
| tert-Butylbenzene | 88 | | 91 | | 70-130 | 3 | | 30 |
| o-Chlorotoluene | 87 | | 89 | | 70-130 | 2 | | 30 |
| p-Chlorotoluene | 86 | | 87 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 83 | | 87 | | 68-130 | 5 | | 30 |
| Hexachlorobutadiene | 86 | | 90 | | 67-130 | 5 | | 30 |
| Isopropylbenzene | 90 | | 93 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 90 | | 92 | | 70-130 | 2 | | 30 |
| Naphthalene | 99 | | 99 | | 70-130 | 0 | | 30 |
| Acrylonitrile | 103 | | 105 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 89 | | 91 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 88 | | 91 | | 70-130 | 3 | | 30 |
| 1,2,4-Trichlorobenzene | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,3,5-Trimethylbenzene | 89 | | 91 | | 70-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | 88 | | 89 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 114 | | 130 | | 65-136 | 13 | | 30 |
| p-Diethylbenzene | 90 | | 90 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1405023-3 WG1405023-4 | | | | | | | | |
| p-Ethyltoluene | 90 | | 92 | | 70-130 | 2 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 94 | | 96 | | 70-130 | 2 | | 30 |
| Ethyl ether | 96 | | 96 | | 67-130 | 0 | | 30 |
| trans-1,4-Dichloro-2-butene | 100 | | 96 | | 70-130 | 4 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 93 | | 93 | | 70-130 |
| Toluene-d8 | 99 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 99 | | 70-130 |
| Dibromofluoromethane | 89 | | 90 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,17 Batch: WG1405387-3 WG1405387-4 | | | | | | | | |
| Methylene chloride | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Chloroform | 100 | | 100 | | 70-130 | 0 | | 20 |
| Carbon tetrachloride | 94 | | 93 | | 63-132 | 1 | | 20 |
| 1,2-Dichloropropane | 98 | | 99 | | 70-130 | 1 | | 20 |
| Dibromochloromethane | 97 | | 96 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 98 | | 98 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 90 | | 90 | | 70-130 | 0 | | 20 |
| Chlorobenzene | 99 | | 98 | | 75-130 | 1 | | 20 |
| Trichlorofluoromethane | 94 | | 91 | | 62-150 | 3 | | 20 |
| 1,2-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 98 | | 96 | | 67-130 | 2 | | 20 |
| Bromodichloromethane | 99 | | 97 | | 67-130 | 2 | | 20 |
| trans-1,3-Dichloropropene | 94 | | 93 | | 70-130 | 1 | | 20 |
| cis-1,3-Dichloropropene | 96 | | 96 | | 70-130 | 0 | | 20 |
| 1,1-Dichloropropene | 96 | | 95 | | 70-130 | 1 | | 20 |
| Bromoform | 89 | | 86 | | 54-136 | 3 | | 20 |
| 1,1,1,2,2-Tetrachloroethane | 100 | | 96 | | 67-130 | 4 | | 20 |
| Benzene | 100 | | 99 | | 70-130 | 1 | | 20 |
| Toluene | 97 | | 95 | | 70-130 | 2 | | 20 |
| Ethylbenzene | 98 | | 97 | | 70-130 | 1 | | 20 |
| Chloromethane | 90 | | 90 | | 64-130 | 0 | | 20 |
| Bromomethane | 85 | | 85 | | 39-139 | 0 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,17 Batch: WG1405387-3 WG1405387-4 | | | | | | | | |
| Vinyl chloride | 96 | | 94 | | 55-140 | 2 | | 20 |
| Chloroethane | 100 | | 99 | | 55-138 | 1 | | 20 |
| 1,1-Dichloroethene | 96 | | 96 | | 61-145 | 0 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 99 | | 70-130 | 1 | | 20 |
| Trichloroethene | 96 | | 94 | | 70-130 | 2 | | 20 |
| 1,2-Dichlorobenzene | 99 | | 97 | | 70-130 | 2 | | 20 |
| 1,3-Dichlorobenzene | 99 | | 97 | | 70-130 | 2 | | 20 |
| 1,4-Dichlorobenzene | 100 | | 96 | | 70-130 | 4 | | 20 |
| Methyl tert butyl ether | 100 | | 99 | | 63-130 | 1 | | 20 |
| p/m-Xylene | 95 | | 95 | | 70-130 | 0 | | 20 |
| o-Xylene | 95 | | 95 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dibromomethane | 100 | | 97 | | 70-130 | 3 | | 20 |
| 1,2,3-Trichloropropane | 97 | | 95 | | 64-130 | 2 | | 20 |
| Acrylonitrile | 100 | | 100 | | 70-130 | 0 | | 20 |
| Styrene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 81 | | 80 | | 36-147 | 1 | | 20 |
| Acetone | 99 | | 97 | | 58-148 | 2 | | 20 |
| Carbon disulfide | 95 | | 94 | | 51-130 | 1 | | 20 |
| 2-Butanone | 100 | | 99 | | 63-138 | 1 | | 20 |
| Vinyl acetate | 98 | | 95 | | 70-130 | 3 | | 20 |
| 4-Methyl-2-pentanone | 91 | | 93 | | 59-130 | 2 | | 20 |
| 2-Hexanone | 96 | | 96 | | 57-130 | 0 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,17 Batch: WG1405387-3 WG1405387-4 | | | | | | | | |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 2,2-Dichloropropane | 100 | | 100 | | 63-133 | 0 | | 20 |
| 1,2-Dibromoethane | 99 | | 97 | | 70-130 | 2 | | 20 |
| 1,3-Dichloropropane | 98 | | 98 | | 70-130 | 0 | | 20 |
| 1,1,1,2-Tetrachloroethane | 96 | | 96 | | 64-130 | 0 | | 20 |
| Bromobenzene | 96 | | 94 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 98 | | 96 | | 53-136 | 2 | | 20 |
| sec-Butylbenzene | 99 | | 94 | | 70-130 | 5 | | 20 |
| tert-Butylbenzene | 95 | | 92 | | 70-130 | 3 | | 20 |
| o-Chlorotoluene | 110 | | 110 | | 70-130 | 0 | | 20 |
| p-Chlorotoluene | 100 | | 97 | | 70-130 | 3 | | 20 |
| 1,2-Dibromo-3-chloropropane | 93 | | 91 | | 41-144 | 2 | | 20 |
| Hexachlorobutadiene | 91 | | 88 | | 63-130 | 3 | | 20 |
| Isopropylbenzene | 97 | | 94 | | 70-130 | 3 | | 20 |
| p-Isopropyltoluene | 98 | | 94 | | 70-130 | 4 | | 20 |
| Naphthalene | 100 | | 96 | | 70-130 | 4 | | 20 |
| n-Propylbenzene | 100 | | 95 | | 69-130 | 5 | | 20 |
| 1,2,3-Trichlorobenzene | 96 | | 91 | | 70-130 | 5 | | 20 |
| 1,2,4-Trichlorobenzene | 98 | | 92 | | 70-130 | 6 | | 20 |
| 1,3,5-Trimethylbenzene | 97 | | 95 | | 64-130 | 2 | | 20 |
| 1,2,4-Trimethylbenzene | 100 | | 95 | | 70-130 | 5 | | 20 |
| 1,4-Dioxane | 116 | | 116 | | 56-162 | 0 | | 20 |
| p-Diethylbenzene | 95 | | 91 | | 70-130 | 4 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,17 Batch: WG1405387-3 WG1405387-4 | | | | | | | | |
| p-Ethyltoluene | 100 | | 96 | | 70-130 | 4 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 98 | | 95 | | 70-130 | 3 | | 20 |
| Ethyl ether | 97 | | 96 | | 59-134 | 1 | | 20 |
| trans-1,4-Dichloro-2-butene | 97 | | 92 | | 70-130 | 5 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 95 | | 93 | | 70-130 |
| Toluene-d8 | 99 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 97 | | 70-130 |
| Dibromofluoromethane | 99 | | 99 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 12,15 Batch: WG1405614-8 WG1405614-9 | | | | | | | | |
| Methylene chloride | 89 | | 91 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Chloroform | 85 | | 87 | | 70-130 | 2 | | 30 |
| Carbon tetrachloride | 88 | | 90 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 96 | | 99 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 82 | | 85 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 90 | | 92 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 103 | | 106 | | 70-130 | 3 | | 30 |
| Chlorobenzene | 87 | | 89 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 93 | | 93 | | 70-139 | 0 | | 30 |
| 1,2-Dichloroethane | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,1,1-Trichloroethane | 94 | | 96 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 83 | | 86 | | 70-130 | 4 | | 30 |
| trans-1,3-Dichloropropene | 90 | | 92 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,1-Dichloropropene | 103 | | 106 | | 70-130 | 3 | | 30 |
| Bromoform | 80 | | 84 | | 70-130 | 5 | | 30 |
| 1,1,1,2,2-Tetrachloroethane | 86 | | 88 | | 70-130 | 2 | | 30 |
| Benzene | 91 | | 94 | | 70-130 | 3 | | 30 |
| Toluene | 94 | | 97 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 93 | | 96 | | 70-130 | 3 | | 30 |
| Chloromethane | 114 | | 112 | | 52-130 | 2 | | 30 |
| Bromomethane | 91 | | 84 | | 57-147 | 8 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 12,15 Batch: WG1405614-8 WG1405614-9 | | | | | | | | |
| Vinyl chloride | 104 | | 103 | | 67-130 | 1 | | 30 |
| Chloroethane | 88 | | 87 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 108 | | 109 | | 65-135 | 1 | | 30 |
| trans-1,2-Dichloroethene | 99 | | 100 | | 70-130 | 1 | | 30 |
| Trichloroethene | 91 | | 95 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,3-Dichlorobenzene | 90 | | 94 | | 70-130 | 4 | | 30 |
| 1,4-Dichlorobenzene | 88 | | 92 | | 70-130 | 4 | | 30 |
| Methyl tert butyl ether | 97 | | 97 | | 66-130 | 0 | | 30 |
| p/m-Xylene | 92 | | 95 | | 70-130 | 3 | | 30 |
| o-Xylene | 86 | | 89 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 94 | | 95 | | 70-130 | 1 | | 30 |
| Dibromomethane | 85 | | 87 | | 70-130 | 2 | | 30 |
| Styrene | 86 | | 89 | | 70-130 | 3 | | 30 |
| Dichlorodifluoromethane | 119 | | 118 | | 30-146 | 1 | | 30 |
| Acetone | 97 | | 89 | | 54-140 | 9 | | 30 |
| Carbon disulfide | 81 | | 81 | | 59-130 | 0 | | 30 |
| 2-Butanone | 101 | | 104 | | 70-130 | 3 | | 30 |
| Vinyl acetate | 113 | | 111 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 102 | | 103 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichloropropane | 87 | | 90 | | 68-130 | 3 | | 30 |
| 2-Hexanone | 90 | | 90 | | 70-130 | 0 | | 30 |
| Bromochloromethane | 88 | | 89 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 12,15 Batch: WG1405614-8 WG1405614-9 | | | | | | | | |
| 2,2-Dichloropropane | 95 | | 96 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,3-Dichloropropane | 91 | | 93 | | 69-130 | 2 | | 30 |
| 1,1,1,2-Tetrachloroethane | 85 | | 88 | | 70-130 | 3 | | 30 |
| Bromobenzene | 87 | | 90 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 91 | | 94 | | 70-130 | 3 | | 30 |
| sec-Butylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 94 | | 98 | | 70-130 | 4 | | 30 |
| o-Chlorotoluene | 90 | | 95 | | 70-130 | 5 | | 30 |
| p-Chlorotoluene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,2-Dibromo-3-chloropropane | 89 | | 92 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | 94 | | 98 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| p-Isopropyltoluene | 96 | | 99 | | 70-130 | 3 | | 30 |
| Naphthalene | 100 | | 104 | | 70-130 | 4 | | 30 |
| Acrylonitrile | 110 | | 112 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 95 | | 99 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 92 | | 95 | | 70-130 | 3 | | 30 |
| 1,2,4-Trichlorobenzene | 94 | | 97 | | 70-130 | 3 | | 30 |
| 1,3,5-Trimethylbenzene | 94 | | 97 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 92 | | 95 | | 70-130 | 3 | | 30 |
| 1,4-Dioxane | 97 | | 101 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 95 | | 98 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 12,15 Batch: WG1405614-8 WG1405614-9 | | | | | | | | |
| p-Ethyltoluene | 95 | | 100 | | 70-130 | 5 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| Ethyl ether | 102 | | 101 | | 67-130 | 1 | | 30 |
| trans-1,4-Dichloro-2-butene | 104 | | 101 | | 70-130 | 3 | | 30 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 92 | | 91 | | 70-130 |
| Toluene-d8 | 98 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 100 | | 70-130 |
| Dibromofluoromethane | 89 | | 89 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,12-13 Batch: WG1405740-10 WG1405740-11 | | | | | | | | |
| Methylene chloride | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | 100 | | 104 | | 70-130 | 4 | | 30 |
| Chloroform | 90 | | 93 | | 70-130 | 3 | | 30 |
| Carbon tetrachloride | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,2-Dichloropropane | 100 | | 105 | | 70-130 | 5 | | 30 |
| Dibromochloromethane | 83 | | 88 | | 70-130 | 6 | | 30 |
| 1,1,2-Trichloroethane | 90 | | 97 | | 70-130 | 7 | | 30 |
| Tetrachloroethene | 105 | | 112 | | 70-130 | 6 | | 30 |
| Chlorobenzene | 90 | | 95 | | 70-130 | 5 | | 30 |
| Trichlorofluoromethane | 93 | | 96 | | 70-139 | 3 | | 30 |
| 1,2-Dichloroethane | 94 | | 99 | | 70-130 | 5 | | 30 |
| 1,1,1-Trichloroethane | 98 | | 102 | | 70-130 | 4 | | 30 |
| Bromodichloromethane | 87 | | 92 | | 70-130 | 6 | | 30 |
| trans-1,3-Dichloropropene | 90 | | 96 | | 70-130 | 6 | | 30 |
| cis-1,3-Dichloropropene | 92 | | 97 | | 70-130 | 5 | | 30 |
| 1,1-Dichloropropene | 106 | | 111 | | 70-130 | 5 | | 30 |
| Bromoform | 79 | | 84 | | 70-130 | 6 | | 30 |
| 1,1,2,2-Tetrachloroethane | 83 | | 89 | | 70-130 | 7 | | 30 |
| Benzene | 96 | | 100 | | 70-130 | 4 | | 30 |
| Toluene | 98 | | 102 | | 70-130 | 4 | | 30 |
| Ethylbenzene | 98 | | 103 | | 70-130 | 5 | | 30 |
| Chloromethane | 125 | | 127 | | 52-130 | 2 | | 30 |
| Bromomethane | 99 | | 96 | | 57-147 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|---|-----------|------|-----------|------|-----------|------|-----|--------|----|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | Limits | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,12-13 Batch: WG1405740-10 WG1405740-11 | | | | | | | | | |
| Vinyl chloride | 108 | | 110 | | 67-130 | | 2 | | 30 |
| Chloroethane | 96 | | 97 | | 50-151 | | 1 | | 30 |
| 1,1-Dichloroethene | 109 | | 113 | | 65-135 | | 4 | | 30 |
| trans-1,2-Dichloroethene | 102 | | 106 | | 70-130 | | 4 | | 30 |
| Trichloroethene | 96 | | 100 | | 70-130 | | 4 | | 30 |
| 1,2-Dichlorobenzene | 92 | | 96 | | 70-130 | | 4 | | 30 |
| 1,3-Dichlorobenzene | 92 | | 96 | | 70-130 | | 4 | | 30 |
| 1,4-Dichlorobenzene | 91 | | 94 | | 70-130 | | 3 | | 30 |
| Methyl tert butyl ether | 97 | | 102 | | 66-130 | | 5 | | 30 |
| p/m-Xylene | 97 | | 102 | | 70-130 | | 5 | | 30 |
| o-Xylene | 90 | | 95 | | 70-130 | | 5 | | 30 |
| cis-1,2-Dichloroethene | 98 | | 102 | | 70-130 | | 4 | | 30 |
| Dibromomethane | 88 | | 93 | | 70-130 | | 6 | | 30 |
| Styrene | 91 | | 96 | | 70-130 | | 5 | | 30 |
| Dichlorodifluoromethane | 126 | | 129 | | 30-146 | | 2 | | 30 |
| Acetone | 92 | | 80 | | 54-140 | | 14 | | 30 |
| Carbon disulfide | 82 | | 86 | | 59-130 | | 5 | | 30 |
| 2-Butanone | 88 | | 98 | | 70-130 | | 11 | | 30 |
| Vinyl acetate | 110 | | 120 | | 70-130 | | 9 | | 30 |
| 4-Methyl-2-pentanone | 97 | | 105 | | 70-130 | | 8 | | 30 |
| 1,2,3-Trichloropropane | 85 | | 89 | | 68-130 | | 5 | | 30 |
| 2-Hexanone | 87 | | 91 | | 70-130 | | 4 | | 30 |
| Bromochloromethane | 92 | | 96 | | 70-130 | | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,12-13 Batch: WG1405740-10 WG1405740-11 | | | | | | | | |
| 2,2-Dichloropropane | 96 | | 100 | | 70-130 | 4 | | 30 |
| 1,2-Dibromoethane | 92 | | 98 | | 70-130 | 6 | | 30 |
| 1,3-Dichloropropane | 91 | | 97 | | 69-130 | 6 | | 30 |
| 1,1,1,2-Tetrachloroethane | 88 | | 93 | | 70-130 | 6 | | 30 |
| Bromobenzene | 88 | | 93 | | 70-130 | 6 | | 30 |
| n-Butylbenzene | 93 | | 96 | | 70-130 | 3 | | 30 |
| sec-Butylbenzene | 100 | | 104 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 99 | | 103 | | 70-130 | 4 | | 30 |
| o-Chlorotoluene | 94 | | 98 | | 70-130 | 4 | | 30 |
| p-Chlorotoluene | 92 | | 94 | | 70-130 | 2 | | 30 |
| 1,2-Dibromo-3-chloropropane | 85 | | 92 | | 68-130 | 8 | | 30 |
| Hexachlorobutadiene | 99 | | 103 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 100 | | 103 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 99 | | 103 | | 70-130 | 4 | | 30 |
| Naphthalene | 99 | | 105 | | 70-130 | 6 | | 30 |
| Acrylonitrile | 106 | | 117 | | 70-130 | 10 | | 30 |
| n-Propylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 91 | | 97 | | 70-130 | 6 | | 30 |
| 1,2,4-Trichlorobenzene | 92 | | 96 | | 70-130 | 4 | | 30 |
| 1,3,5-Trimethylbenzene | 98 | | 101 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,4-Dioxane | 120 | | 130 | | 65-136 | 8 | | 30 |
| p-Diethylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,12-13 Batch: WG1405740-10 WG1405740-11 | | | | | | | | |
| p-Ethyltoluene | 98 | | 102 | | 70-130 | 4 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 100 | | 104 | | 70-130 | 4 | | 30 |
| Ethyl ether | 100 | | 106 | | 67-130 | 6 | | 30 |
| trans-1,4-Dichloro-2-butene | 98 | | 105 | | 70-130 | 7 | | 30 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 90 | | 91 | | 70-130 |
| Toluene-d8 | 96 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 97 | | 70-130 |
| Dibromofluoromethane | 89 | | 90 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,09-11,13-14,16 Batch: WG1405740-3 WG1405740-4 | | | | | | | | |
| Methylene chloride | 89 | | 91 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Chloroform | 85 | | 87 | | 70-130 | 2 | | 30 |
| Carbon tetrachloride | 88 | | 90 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 96 | | 99 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 82 | | 85 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 90 | | 92 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 103 | | 106 | | 70-130 | 3 | | 30 |
| Chlorobenzene | 87 | | 89 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 93 | | 93 | | 70-139 | 0 | | 30 |
| 1,2-Dichloroethane | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,1,1-Trichloroethane | 94 | | 96 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 83 | | 86 | | 70-130 | 4 | | 30 |
| trans-1,3-Dichloropropene | 90 | | 92 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,1-Dichloropropene | 103 | | 106 | | 70-130 | 3 | | 30 |
| Bromoform | 80 | | 84 | | 70-130 | 5 | | 30 |
| 1,1,2,2-Tetrachloroethane | 86 | | 88 | | 70-130 | 2 | | 30 |
| Benzene | 91 | | 94 | | 70-130 | 3 | | 30 |
| Toluene | 94 | | 97 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 93 | | 96 | | 70-130 | 3 | | 30 |
| Chloromethane | 114 | | 112 | | 52-130 | 2 | | 30 |
| Bromomethane | 91 | | 84 | | 57-147 | 8 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,09-11,13-14,16 Batch: WG1405740-3 WG1405740-4 | | | | | | | | |
| Vinyl chloride | 104 | | 103 | | 67-130 | 1 | | 30 |
| Chloroethane | 88 | | 87 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 108 | | 109 | | 65-135 | 1 | | 30 |
| trans-1,2-Dichloroethene | 99 | | 100 | | 70-130 | 1 | | 30 |
| Trichloroethene | 91 | | 95 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,3-Dichlorobenzene | 90 | | 94 | | 70-130 | 4 | | 30 |
| 1,4-Dichlorobenzene | 88 | | 92 | | 70-130 | 4 | | 30 |
| Methyl tert butyl ether | 97 | | 97 | | 66-130 | 0 | | 30 |
| p/m-Xylene | 92 | | 95 | | 70-130 | 3 | | 30 |
| o-Xylene | 86 | | 89 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 94 | | 95 | | 70-130 | 1 | | 30 |
| Dibromomethane | 85 | | 87 | | 70-130 | 2 | | 30 |
| Styrene | 86 | | 89 | | 70-130 | 3 | | 30 |
| Dichlorodifluoromethane | 119 | | 118 | | 30-146 | 1 | | 30 |
| Acetone | 97 | | 89 | | 54-140 | 9 | | 30 |
| Carbon disulfide | 81 | | 81 | | 59-130 | 0 | | 30 |
| 2-Butanone | 101 | | 104 | | 70-130 | 3 | | 30 |
| Vinyl acetate | 113 | | 111 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 102 | | 103 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichloropropane | 87 | | 90 | | 68-130 | 3 | | 30 |
| 2-Hexanone | 90 | | 90 | | 70-130 | 0 | | 30 |
| Bromochloromethane | 88 | | 89 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,09-11,13-14,16 Batch: WG1405740-3 WG1405740-4 | | | | | | | | |
| 2,2-Dichloropropane | 95 | | 96 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,3-Dichloropropane | 91 | | 93 | | 69-130 | 2 | | 30 |
| 1,1,1,2-Tetrachloroethane | 85 | | 88 | | 70-130 | 3 | | 30 |
| Bromobenzene | 87 | | 90 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 91 | | 94 | | 70-130 | 3 | | 30 |
| sec-Butylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 94 | | 98 | | 70-130 | 4 | | 30 |
| o-Chlorotoluene | 90 | | 95 | | 70-130 | 5 | | 30 |
| p-Chlorotoluene | 89 | | 93 | | 70-130 | 4 | | 30 |
| 1,2-Dibromo-3-chloropropane | 89 | | 92 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | 94 | | 98 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| p-Isopropyltoluene | 96 | | 99 | | 70-130 | 3 | | 30 |
| Naphthalene | 100 | | 104 | | 70-130 | 4 | | 30 |
| Acrylonitrile | 110 | | 112 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 95 | | 99 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 92 | | 95 | | 70-130 | 3 | | 30 |
| 1,2,4-Trichlorobenzene | 94 | | 97 | | 70-130 | 3 | | 30 |
| 1,3,5-Trimethylbenzene | 94 | | 97 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 92 | | 95 | | 70-130 | 3 | | 30 |
| 1,4-Dioxane | 97 | | 101 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 95 | | 98 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,09-11,13-14,16 Batch: WG1405740-3 WG1405740-4 | | | | | | | | |
| p-Ethyltoluene | 95 | | 100 | | 70-130 | 5 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| Ethyl ether | 102 | | 101 | | 67-130 | 1 | | 30 |
| trans-1,4-Dichloro-2-butene | 104 | | 101 | | 70-130 | 3 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 92 | | 91 | | 70-130 |
| Toluene-d8 | 98 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 100 | | 70-130 |
| Dibromofluoromethane | 89 | | 89 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|---|-----------|------|-----------|------|-----------|------|-----|--------|----|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | Limits | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19,21-22,24-29 Batch: WG1406102-3 WG1406102-4 | | | | | | | | | |
| Methylene chloride | 96 | | 99 | | 70-130 | | 3 | | 30 |
| 1,1-Dichloroethane | 100 | | 104 | | 70-130 | | 4 | | 30 |
| Chloroform | 87 | | 91 | | 70-130 | | 4 | | 30 |
| Carbon tetrachloride | 90 | | 93 | | 70-130 | | 3 | | 30 |
| 1,2-Dichloropropane | 100 | | 104 | | 70-130 | | 4 | | 30 |
| Dibromochloromethane | 80 | | 85 | | 70-130 | | 6 | | 30 |
| 1,1,2-Trichloroethane | 89 | | 95 | | 70-130 | | 7 | | 30 |
| Tetrachloroethene | 108 | | 113 | | 70-130 | | 5 | | 30 |
| Chlorobenzene | 89 | | 94 | | 70-130 | | 5 | | 30 |
| Trichlorofluoromethane | 94 | | 97 | | 70-139 | | 3 | | 30 |
| 1,2-Dichloroethane | 88 | | 94 | | 70-130 | | 7 | | 30 |
| 1,1,1-Trichloroethane | 97 | | 101 | | 70-130 | | 4 | | 30 |
| Bromodichloromethane | 84 | | 89 | | 70-130 | | 6 | | 30 |
| trans-1,3-Dichloropropene | 89 | | 95 | | 70-130 | | 7 | | 30 |
| cis-1,3-Dichloropropene | 91 | | 97 | | 70-130 | | 6 | | 30 |
| 1,1-Dichloropropene | 109 | | 112 | | 70-130 | | 3 | | 30 |
| Bromoform | 78 | | 83 | | 70-130 | | 6 | | 30 |
| 1,1,1,2-Tetrachloroethane | 84 | | 87 | | 70-130 | | 4 | | 30 |
| Benzene | 96 | | 100 | | 70-130 | | 4 | | 30 |
| Toluene | 99 | | 103 | | 70-130 | | 4 | | 30 |
| Ethylbenzene | 99 | | 103 | | 70-130 | | 4 | | 30 |
| Chloromethane | 126 | | 124 | | 52-130 | | 2 | | 30 |
| Bromomethane | 90 | | 90 | | 57-147 | | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19,21-22,24-29 Batch: WG1406102-3 WG1406102-4 | | | | | | | | |
| Vinyl chloride | 109 | | 111 | | 67-130 | 2 | | 30 |
| Chloroethane | 88 | | 92 | | 50-151 | 4 | | 30 |
| 1,1-Dichloroethene | 114 | | 118 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 104 | | 108 | | 70-130 | 4 | | 30 |
| Trichloroethene | 95 | | 100 | | 70-130 | 5 | | 30 |
| 1,2-Dichlorobenzene | 90 | | 95 | | 70-130 | 5 | | 30 |
| 1,3-Dichlorobenzene | 93 | | 97 | | 70-130 | 4 | | 30 |
| 1,4-Dichlorobenzene | 91 | | 94 | | 70-130 | 3 | | 30 |
| Methyl tert butyl ether | 96 | | 101 | | 66-130 | 5 | | 30 |
| p/m-Xylene | 98 | | 102 | | 70-130 | 4 | | 30 |
| o-Xylene | 90 | | 93 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 97 | | 102 | | 70-130 | 5 | | 30 |
| Dibromomethane | 85 | | 89 | | 70-130 | 5 | | 30 |
| Styrene | 90 | | 94 | | 70-130 | 4 | | 30 |
| Dichlorodifluoromethane | 126 | | 127 | | 30-146 | 1 | | 30 |
| Acetone | 86 | | 90 | | 54-140 | 5 | | 30 |
| Carbon disulfide | 86 | | 88 | | 59-130 | 2 | | 30 |
| 2-Butanone | 99 | | 99 | | 70-130 | 0 | | 30 |
| Vinyl acetate | 111 | | 116 | | 70-130 | 4 | | 30 |
| 4-Methyl-2-pentanone | 100 | | 105 | | 70-130 | 5 | | 30 |
| 1,2,3-Trichloropropane | 85 | | 89 | | 68-130 | 5 | | 30 |
| 2-Hexanone | 89 | | 93 | | 70-130 | 4 | | 30 |
| Bromochloromethane | 87 | | 92 | | 70-130 | 6 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | |
|---|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | Limits | RPD | Qual | Limits |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19,21-22,24-29 Batch: WG1406102-3 WG1406102-4 | | | | | | | | |
| 2,2-Dichloropropane | 100 | | 103 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 90 | | 96 | | 70-130 | 6 | | 30 |
| 1,3-Dichloropropane | 91 | | 96 | | 69-130 | 5 | | 30 |
| 1,1,1,2-Tetrachloroethane | 86 | | 90 | | 70-130 | 5 | | 30 |
| Bromobenzene | 88 | | 91 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 95 | | 100 | | 70-130 | 5 | | 30 |
| sec-Butylbenzene | 102 | | 106 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 99 | | 103 | | 70-130 | 4 | | 30 |
| o-Chlorotoluene | 95 | | 99 | | 70-130 | 4 | | 30 |
| p-Chlorotoluene | 93 | | 97 | | 70-130 | 4 | | 30 |
| 1,2-Dibromo-3-chloropropane | 87 | | 92 | | 68-130 | 6 | | 30 |
| Hexachlorobutadiene | 99 | | 103 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 101 | | 106 | | 70-130 | 5 | | 30 |
| p-Isopropyltoluene | 100 | | 104 | | 70-130 | 4 | | 30 |
| Naphthalene | 99 | | 105 | | 70-130 | 6 | | 30 |
| Acrylonitrile | 109 | | 117 | | 70-130 | 7 | | 30 |
| n-Propylbenzene | 100 | | 104 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 93 | | 97 | | 70-130 | 4 | | 30 |
| 1,2,4-Trichlorobenzene | 96 | | 100 | | 70-130 | 4 | | 30 |
| 1,3,5-Trimethylbenzene | 99 | | 102 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | 96 | | 100 | | 70-130 | 4 | | 30 |
| 1,4-Dioxane | 117 | | 122 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 100 | | 104 | | 70-130 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19,21-22,24-29 Batch: WG1406102-3 WG1406102-4 | | | | | | | | |
| p-Ethyltoluene | 101 | | 104 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 101 | | 106 | | 70-130 | 5 | | 30 |
| Ethyl ether | 101 | | 106 | | 67-130 | 5 | | 30 |
| trans-1,4-Dichloro-2-butene | 102 | | 97 | | 70-130 | 5 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 88 | | 88 | | 70-130 |
| Toluene-d8 | 98 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 98 | | 70-130 |
| Dibromofluoromethane | 87 | | 87 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1406130-3 WG1406130-4 | | | | | | | | |
| Methylene chloride | 86 | | 84 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 88 | | 86 | | 70-130 | 2 | | 30 |
| Chloroform | 87 | | 86 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 98 | | 96 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 86 | | 86 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 97 | | 98 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 91 | | 92 | | 70-130 | 1 | | 30 |
| Tetrachloroethene | 108 | | 105 | | 70-130 | 3 | | 30 |
| Chlorobenzene | 99 | | 98 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 107 | | 104 | | 70-139 | 3 | | 30 |
| 1,2-Dichloroethane | 85 | | 85 | | 70-130 | 0 | | 30 |
| 1,1,1-Trichloroethane | 91 | | 90 | | 70-130 | 1 | | 30 |
| Bromodichloromethane | 85 | | 85 | | 70-130 | 0 | | 30 |
| trans-1,3-Dichloropropene | 88 | | 87 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 85 | | 85 | | 70-130 | 0 | | 30 |
| 1,1-Dichloropropene | 98 | | 96 | | 70-130 | 2 | | 30 |
| Bromoform | 98 | | 98 | | 70-130 | 0 | | 30 |
| 1,1,1,2,2-Tetrachloroethane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Benzene | 93 | | 91 | | 70-130 | 2 | | 30 |
| Toluene | 102 | | 101 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 98 | | 98 | | 70-130 | 0 | | 30 |
| Chloromethane | 89 | | 87 | | 52-130 | 2 | | 30 |
| Bromomethane | 106 | | 103 | | 57-147 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1406130-3 WG1406130-4 | | | | | | | | |
| Vinyl chloride | 107 | | 106 | | 67-130 | 1 | | 30 |
| Chloroethane | 114 | | 109 | | 50-151 | 4 | | 30 |
| 1,1-Dichloroethene | 99 | | 97 | | 65-135 | 2 | | 30 |
| trans-1,2-Dichloroethene | 104 | | 100 | | 70-130 | 4 | | 30 |
| Trichloroethene | 92 | | 90 | | 70-130 | 2 | | 30 |
| 1,2-Dichlorobenzene | 101 | | 103 | | 70-130 | 2 | | 30 |
| 1,3-Dichlorobenzene | 106 | | 105 | | 70-130 | 1 | | 30 |
| 1,4-Dichlorobenzene | 101 | | 103 | | 70-130 | 2 | | 30 |
| Methyl tert butyl ether | 89 | | 88 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 101 | | 101 | | 70-130 | 0 | | 30 |
| o-Xylene | 97 | | 97 | | 70-130 | 0 | | 30 |
| cis-1,2-Dichloroethene | 89 | | 87 | | 70-130 | 2 | | 30 |
| Dibromomethane | 87 | | 87 | | 70-130 | 0 | | 30 |
| Styrene | 96 | | 98 | | 70-130 | 2 | | 30 |
| Dichlorodifluoromethane | 108 | | 104 | | 30-146 | 4 | | 30 |
| Acetone | 83 | | 80 | | 54-140 | 4 | | 30 |
| Carbon disulfide | 85 | | 82 | | 59-130 | 4 | | 30 |
| 2-Butanone | 81 | | 80 | | 70-130 | 1 | | 30 |
| Vinyl acetate | 82 | | 81 | | 70-130 | 1 | | 30 |
| 4-Methyl-2-pentanone | 87 | | 87 | | 70-130 | 0 | | 30 |
| 1,2,3-Trichloropropane | 94 | | 97 | | 68-130 | 3 | | 30 |
| 2-Hexanone | 79 | | 78 | | 70-130 | 1 | | 30 |
| Bromochloromethane | 92 | | 92 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1406130-3 WG1406130-4 | | | | | | | | |
| 2,2-Dichloropropane | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,2-Dibromoethane | 95 | | 95 | | 70-130 | 0 | | 30 |
| 1,3-Dichloropropane | 94 | | 93 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 96 | | 97 | | 70-130 | 1 | | 30 |
| Bromobenzene | 98 | | 101 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 100 | | 102 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 112 | | 113 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 103 | | 105 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 102 | | 102 | | 70-130 | 0 | | 30 |
| p-Chlorotoluene | 99 | | 100 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 90 | | 91 | | 68-130 | 1 | | 30 |
| Hexachlorobutadiene | 104 | | 102 | | 67-130 | 2 | | 30 |
| Isopropylbenzene | 108 | | 105 | | 70-130 | 3 | | 30 |
| p-Isopropyltoluene | 106 | | 106 | | 70-130 | 0 | | 30 |
| Naphthalene | 97 | | 98 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 85 | | 81 | | 70-130 | 5 | | 30 |
| n-Propylbenzene | 104 | | 105 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichlorobenzene | 97 | | 101 | | 70-130 | 4 | | 30 |
| 1,2,4-Trichlorobenzene | 99 | | 101 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 102 | | 103 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 99 | | 100 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 103 | | 95 | | 65-136 | 8 | | 30 |
| p-Diethylbenzene | 107 | | 108 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|--|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1406130-3 WG1406130-4 | | | | | | | | |
| p-Ethyltoluene | 108 | | 108 | | 70-130 | 0 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 103 | | 104 | | 70-130 | 1 | | 30 |
| Ethyl ether | 91 | | 90 | | 67-130 | 1 | | 30 |
| trans-1,4-Dichloro-2-butene | 96 | | 96 | | 70-130 | 0 | | 30 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 93 | | 91 | | 70-130 |
| Toluene-d8 | 102 | | 102 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 96 | | 70-130 |
| Dibromofluoromethane | 92 | | 91 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 Batch: WG1406233-3 WG1406233-4 | | | | | | | | |
| Methylene chloride | 100 | | 96 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | 104 | | 101 | | 70-130 | 3 | | 30 |
| Chloroform | 103 | | 101 | | 70-130 | 2 | | 30 |
| Carbon tetrachloride | 109 | | 109 | | 70-130 | 0 | | 30 |
| 1,2-Dichloropropane | 103 | | 100 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | 107 | | 108 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 101 | | 99 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 109 | | 112 | | 70-130 | 3 | | 30 |
| Chlorobenzene | 99 | | 101 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 102 | | 96 | | 70-139 | 6 | | 30 |
| 1,2-Dichloroethane | 101 | | 98 | | 70-130 | 3 | | 30 |
| 1,1,1-Trichloroethane | 107 | | 106 | | 70-130 | 1 | | 30 |
| Bromodichloromethane | 104 | | 102 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 108 | | 107 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 111 | | 110 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 109 | | 108 | | 70-130 | 1 | | 30 |
| Bromoform | 106 | | 104 | | 70-130 | 2 | | 30 |
| 1,1,2,2-Tetrachloroethane | 101 | | 97 | | 70-130 | 4 | | 30 |
| Benzene | 104 | | 104 | | 70-130 | 0 | | 30 |
| Toluene | 100 | | 100 | | 70-130 | 0 | | 30 |
| Ethylbenzene | 101 | | 102 | | 70-130 | 1 | | 30 |
| Chloromethane | 106 | | 102 | | 52-130 | 4 | | 30 |
| Bromomethane | 92 | | 86 | | 57-147 | 7 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 Batch: WG1406233-3 WG1406233-4 | | | | | | | | |
| Vinyl chloride | 106 | | 101 | | 67-130 | 5 | | 30 |
| Chloroethane | 92 | | 87 | | 50-151 | 6 | | 30 |
| 1,1-Dichloroethene | 109 | | 106 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 105 | | 104 | | 70-130 | 1 | | 30 |
| Trichloroethene | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,2-Dichlorobenzene | 101 | | 101 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 103 | | 103 | | 70-130 | 0 | | 30 |
| 1,4-Dichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 30 |
| Methyl tert butyl ether | 102 | | 99 | | 66-130 | 3 | | 30 |
| p/m-Xylene | 103 | | 104 | | 70-130 | 1 | | 30 |
| o-Xylene | 100 | | 103 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 104 | | 103 | | 70-130 | 1 | | 30 |
| Dibromomethane | 104 | | 102 | | 70-130 | 2 | | 30 |
| Styrene | 106 | | 106 | | 70-130 | 0 | | 30 |
| Dichlorodifluoromethane | 110 | | 111 | | 30-146 | 1 | | 30 |
| Acetone | 104 | | 100 | | 54-140 | 4 | | 30 |
| Carbon disulfide | 101 | | 98 | | 59-130 | 3 | | 30 |
| 2-Butanone | 98 | | 93 | | 70-130 | 5 | | 30 |
| Vinyl acetate | 109 | | 104 | | 70-130 | 5 | | 30 |
| 4-Methyl-2-pentanone | 102 | | 97 | | 70-130 | 5 | | 30 |
| 1,2,3-Trichloropropane | 96 | | 93 | | 68-130 | 3 | | 30 |
| 2-Hexanone | 103 | | 100 | | 70-130 | 3 | | 30 |
| Bromochloromethane | 105 | | 105 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 Batch: WG1406233-3 WG1406233-4 | | | | | | | | |
| 2,2-Dichloropropane | 110 | | 108 | | 70-130 | 2 | | 30 |
| 1,2-Dibromoethane | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,3-Dichloropropane | 101 | | 100 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 104 | | 105 | | 70-130 | 1 | | 30 |
| Bromobenzene | 103 | | 103 | | 70-130 | 0 | | 30 |
| n-Butylbenzene | 106 | | 105 | | 70-130 | 1 | | 30 |
| sec-Butylbenzene | 103 | | 103 | | 70-130 | 0 | | 30 |
| tert-Butylbenzene | 103 | | 103 | | 70-130 | 0 | | 30 |
| o-Chlorotoluene | 84 | | 84 | | 70-130 | 0 | | 30 |
| p-Chlorotoluene | 102 | | 101 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 100 | | 99 | | 68-130 | 1 | | 30 |
| Hexachlorobutadiene | 107 | | 106 | | 67-130 | 1 | | 30 |
| Isopropylbenzene | 105 | | 104 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 105 | | 105 | | 70-130 | 0 | | 30 |
| Naphthalene | 102 | | 100 | | 70-130 | 2 | | 30 |
| Acrylonitrile | 95 | | 92 | | 70-130 | 3 | | 30 |
| n-Propylbenzene | 103 | | 102 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichlorobenzene | 105 | | 105 | | 70-130 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 111 | | 110 | | 70-130 | 1 | | 30 |
| 1,3,5-Trimethylbenzene | 102 | | 101 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 104 | | 103 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 117 | | 108 | | 65-136 | 8 | | 30 |
| p-Diethylbenzene | 108 | | 109 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 Batch: WG1406233-3 WG1406233-4 | | | | | | | | |
| p-Ethyltoluene | 106 | | 105 | | 70-130 | 1 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 106 | | 106 | | 70-130 | 0 | | 30 |
| Ethyl ether | 104 | | 98 | | 67-130 | 6 | | 30 |
| trans-1,4-Dichloro-2-butene | 105 | | 101 | | 70-130 | 4 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 100 | | 96 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 98 | | 70-130 |
| Dibromofluoromethane | 100 | | 100 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23,30 Batch: WG1406246-3 WG1406246-4 | | | | | | | | |
| Methylene chloride | 95 | | 94 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 93 | | 92 | | 70-130 | 1 | | 20 |
| Chloroform | 93 | | 91 | | 70-130 | 2 | | 20 |
| Carbon tetrachloride | 100 | | 98 | | 63-132 | 2 | | 20 |
| 1,2-Dichloropropane | 90 | | 89 | | 70-130 | 1 | | 20 |
| Dibromochloromethane | 87 | | 87 | | 63-130 | 0 | | 20 |
| 1,1,2-Trichloroethane | 86 | | 87 | | 70-130 | 1 | | 20 |
| Tetrachloroethene | 110 | | 110 | | 70-130 | 0 | | 20 |
| Chlorobenzene | 96 | | 96 | | 75-130 | 0 | | 20 |
| Trichlorofluoromethane | 100 | | 100 | | 62-150 | 0 | | 20 |
| 1,2-Dichloroethane | 90 | | 91 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 100 | | 98 | | 67-130 | 2 | | 20 |
| Bromodichloromethane | 86 | | 85 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 80 | | 81 | | 70-130 | 1 | | 20 |
| cis-1,3-Dichloropropene | 86 | | 86 | | 70-130 | 0 | | 20 |
| 1,1-Dichloropropene | 98 | | 96 | | 70-130 | 2 | | 20 |
| Bromoform | 76 | | 77 | | 54-136 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 78 | | 79 | | 67-130 | 1 | | 20 |
| Benzene | 97 | | 95 | | 70-130 | 2 | | 20 |
| Toluene | 96 | | 93 | | 70-130 | 3 | | 20 |
| Ethylbenzene | 94 | | 93 | | 70-130 | 1 | | 20 |
| Chloromethane | 76 | | 75 | | 64-130 | 1 | | 20 |
| Bromomethane | 52 | | 54 | | 39-139 | 4 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23,30 Batch: WG1406246-3 WG1406246-4 | | | | | | | | |
| Vinyl chloride | 94 | | 92 | | 55-140 | 2 | | 20 |
| Chloroethane | 110 | | 110 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 100 | | 96 | | 61-145 | 4 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 98 | | 70-130 | 2 | | 20 |
| Trichloroethene | 93 | | 91 | | 70-130 | 2 | | 20 |
| 1,2-Dichlorobenzene | 93 | | 94 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 95 | | 95 | | 70-130 | 0 | | 20 |
| 1,4-Dichlorobenzene | 95 | | 96 | | 70-130 | 1 | | 20 |
| Methyl tert butyl ether | 86 | | 88 | | 63-130 | 2 | | 20 |
| p/m-Xylene | 95 | | 95 | | 70-130 | 0 | | 20 |
| o-Xylene | 95 | | 95 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 99 | | 100 | | 70-130 | 1 | | 20 |
| Dibromomethane | 90 | | 91 | | 70-130 | 1 | | 20 |
| 1,2,3-Trichloropropane | 81 | | 81 | | 64-130 | 0 | | 20 |
| Acrylonitrile | 80 | | 80 | | 70-130 | 0 | | 20 |
| Styrene | 95 | | 95 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 90 | | 87 | | 36-147 | 3 | | 20 |
| Acetone | 80 | | 86 | | 58-148 | 7 | | 20 |
| Carbon disulfide | 91 | | 89 | | 51-130 | 2 | | 20 |
| 2-Butanone | 87 | | 80 | | 63-138 | 8 | | 20 |
| Vinyl acetate | 80 | | 81 | | 70-130 | 1 | | 20 |
| 4-Methyl-2-pentanone | 74 | | 72 | | 59-130 | 3 | | 20 |
| 2-Hexanone | 70 | | 71 | | 57-130 | 1 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23,30 Batch: WG1406246-3 WG1406246-4 | | | | | | | | |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 2,2-Dichloropropane | 98 | | 94 | | 63-133 | 4 | | 20 |
| 1,2-Dibromoethane | 90 | | 89 | | 70-130 | 1 | | 20 |
| 1,3-Dichloropropane | 92 | | 93 | | 70-130 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 91 | | 92 | | 64-130 | 1 | | 20 |
| Bromobenzene | 95 | | 96 | | 70-130 | 1 | | 20 |
| n-Butylbenzene | 91 | | 90 | | 53-136 | 1 | | 20 |
| sec-Butylbenzene | 94 | | 94 | | 70-130 | 0 | | 20 |
| tert-Butylbenzene | 95 | | 94 | | 70-130 | 1 | | 20 |
| o-Chlorotoluene | 91 | | 91 | | 70-130 | 0 | | 20 |
| p-Chlorotoluene | 89 | | 90 | | 70-130 | 1 | | 20 |
| 1,2-Dibromo-3-chloropropane | 68 | | 72 | | 41-144 | 6 | | 20 |
| Hexachlorobutadiene | 95 | | 96 | | 63-130 | 1 | | 20 |
| Isopropylbenzene | 94 | | 92 | | 70-130 | 2 | | 20 |
| p-Isopropyltoluene | 94 | | 95 | | 70-130 | 1 | | 20 |
| Naphthalene | 71 | | 74 | | 70-130 | 4 | | 20 |
| n-Propylbenzene | 91 | | 90 | | 69-130 | 1 | | 20 |
| 1,2,3-Trichlorobenzene | 79 | | 83 | | 70-130 | 5 | | 20 |
| 1,2,4-Trichlorobenzene | 88 | | 92 | | 70-130 | 4 | | 20 |
| 1,3,5-Trimethylbenzene | 91 | | 92 | | 64-130 | 1 | | 20 |
| 1,2,4-Trimethylbenzene | 91 | | 90 | | 70-130 | 1 | | 20 |
| 1,4-Dioxane | 96 | | 98 | | 56-162 | 2 | | 20 |
| p-Diethylbenzene | 92 | | 92 | | 70-130 | 0 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23,30 Batch: WG1406246-3 WG1406246-4 | | | | | | | | |
| p-Ethyltoluene | 93 | | 92 | | 70-130 | 1 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 87 | | 86 | | 70-130 | 1 | | 20 |
| Ethyl ether | 96 | | 95 | | 59-134 | 1 | | 20 |
| trans-1,4-Dichloro-2-butene | 67 | Q | 69 | Q | 70-130 | 3 | | 20 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 97 | | 98 | | 70-130 |
| Toluene-d8 | 98 | | 96 | | 70-130 |
| 4-Bromofluorobenzene | 89 | | 90 | | 70-130 |
| Dibromofluoromethane | 102 | | 102 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 35,39 Batch: WG1406399-3 WG1406399-4 | | | | | | | | |
| Methylene chloride | 96 | | 95 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 110 | | 100 | | 70-130 | 10 | | 20 |
| Chloroform | 110 | | 100 | | 70-130 | 10 | | 20 |
| Carbon tetrachloride | 110 | | 110 | | 63-132 | 0 | | 20 |
| 1,2-Dichloropropane | 100 | | 98 | | 70-130 | 2 | | 20 |
| Dibromochloromethane | 98 | | 95 | | 63-130 | 3 | | 20 |
| 1,1,2-Trichloroethane | 90 | | 87 | | 70-130 | 3 | | 20 |
| Tetrachloroethene | 91 | | 82 | | 70-130 | 10 | | 20 |
| Chlorobenzene | 100 | | 95 | | 75-130 | 5 | | 20 |
| Trichlorofluoromethane | 100 | | 95 | | 62-150 | 5 | | 20 |
| 1,2-Dichloroethane | 100 | | 98 | | 70-130 | 2 | | 20 |
| 1,1,1-Trichloroethane | 110 | | 100 | | 67-130 | 10 | | 20 |
| Bromodichloromethane | 100 | | 100 | | 67-130 | 0 | | 20 |
| trans-1,3-Dichloropropene | 91 | | 85 | | 70-130 | 7 | | 20 |
| cis-1,3-Dichloropropene | 97 | | 93 | | 70-130 | 4 | | 20 |
| 1,1-Dichloropropene | 98 | | 93 | | 70-130 | 5 | | 20 |
| Bromoform | 96 | | 96 | | 54-136 | 0 | | 20 |
| 1,1,2,2-Tetrachloroethane | 86 | | 85 | | 67-130 | 1 | | 20 |
| Benzene | 100 | | 97 | | 70-130 | 3 | | 20 |
| Toluene | 96 | | 93 | | 70-130 | 3 | | 20 |
| Ethylbenzene | 100 | | 93 | | 70-130 | 7 | | 20 |
| Chloromethane | 110 | | 98 | | 64-130 | 12 | | 20 |
| Bromomethane | 84 | | 80 | | 39-139 | 5 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|---|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 35,39 Batch: WG1406399-3 WG1406399-4 | | | | | | | | |
| Vinyl chloride | 83 | | 81 | | 55-140 | 2 | | 20 |
| Chloroethane | 100 | | 100 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 98 | | 93 | | 61-145 | 5 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 98 | | 70-130 | 2 | | 20 |
| Trichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2-Dichlorobenzene | 99 | | 95 | | 70-130 | 4 | | 20 |
| 1,3-Dichlorobenzene | 100 | | 95 | | 70-130 | 5 | | 20 |
| 1,4-Dichlorobenzene | 100 | | 94 | | 70-130 | 6 | | 20 |
| Methyl tert butyl ether | 87 | | 89 | | 63-130 | 2 | | 20 |
| p/m-Xylene | 100 | | 95 | | 70-130 | 5 | | 20 |
| o-Xylene | 105 | | 95 | | 70-130 | 10 | | 20 |
| cis-1,2-Dichloroethene | 110 | | 99 | | 70-130 | 11 | | 20 |
| Dibromomethane | 95 | | 93 | | 70-130 | 2 | | 20 |
| 1,2,3-Trichloropropane | 80 | | 81 | | 64-130 | 1 | | 20 |
| Acrylonitrile | 84 | | 84 | | 70-130 | 0 | | 20 |
| Styrene | 100 | | 95 | | 70-130 | 5 | | 20 |
| Dichlorodifluoromethane | 68 | | 65 | | 36-147 | 5 | | 20 |
| Acetone | 82 | | 82 | | 58-148 | 0 | | 20 |
| Carbon disulfide | 93 | | 89 | | 51-130 | 4 | | 20 |
| 2-Butanone | 77 | | 76 | | 63-138 | 1 | | 20 |
| Vinyl acetate | 74 | | 78 | | 70-130 | 5 | | 20 |
| 4-Methyl-2-pentanone | 75 | | 77 | | 59-130 | 3 | | 20 |
| 2-Hexanone | 66 | | 69 | | 57-130 | 4 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 35,39 Batch: WG1406399-3 WG1406399-4 | | | | | | | | |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 2,2-Dichloropropane | 110 | | 100 | | 63-133 | 10 | | 20 |
| 1,2-Dibromoethane | 88 | | 84 | | 70-130 | 5 | | 20 |
| 1,3-Dichloropropane | 90 | | 87 | | 70-130 | 3 | | 20 |
| 1,1,1,2-Tetrachloroethane | 110 | | 96 | | 64-130 | 14 | | 20 |
| Bromobenzene | 100 | | 94 | | 70-130 | 6 | | 20 |
| n-Butylbenzene | 98 | | 92 | | 53-136 | 6 | | 20 |
| sec-Butylbenzene | 100 | | 95 | | 70-130 | 5 | | 20 |
| tert-Butylbenzene | 92 | | 87 | | 70-130 | 6 | | 20 |
| o-Chlorotoluene | 100 | | 96 | | 70-130 | 4 | | 20 |
| p-Chlorotoluene | 100 | | 98 | | 70-130 | 2 | | 20 |
| 1,2-Dibromo-3-chloropropane | 80 | | 82 | | 41-144 | 2 | | 20 |
| Hexachlorobutadiene | 100 | | 98 | | 63-130 | 2 | | 20 |
| Isopropylbenzene | 100 | | 96 | | 70-130 | 4 | | 20 |
| p-Isopropyltoluene | 100 | | 95 | | 70-130 | 5 | | 20 |
| Naphthalene | 81 | | 82 | | 70-130 | 1 | | 20 |
| n-Propylbenzene | 100 | | 94 | | 69-130 | 6 | | 20 |
| 1,2,3-Trichlorobenzene | 90 | | 87 | | 70-130 | 3 | | 20 |
| 1,2,4-Trichlorobenzene | 94 | | 87 | | 70-130 | 8 | | 20 |
| 1,3,5-Trimethylbenzene | 100 | | 98 | | 64-130 | 2 | | 20 |
| 1,2,4-Trimethylbenzene | 100 | | 96 | | 70-130 | 4 | | 20 |
| 1,4-Dioxane | 82 | | 80 | | 56-162 | 2 | | 20 |
| p-Diethylbenzene | 99 | | 92 | | 70-130 | 7 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|---|-----------|------|-----------|------|------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 35,39 Batch: WG1406399-3 WG1406399-4 | | | | | | | | |
| p-Ethyltoluene | 100 | | 98 | | 70-130 | 2 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 99 | | 96 | | 70-130 | 3 | | 20 |
| Ethyl ether | 90 | | 87 | | 59-134 | 3 | | 20 |
| trans-1,4-Dichloro-2-butene | 86 | | 80 | | 70-130 | 7 | | 20 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|---------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 104 | | 99 | | 70-130 |
| Toluene-d8 | 97 | | 95 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 97 | | 70-130 |
| Dibromofluoromethane | 103 | | 103 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 Batch: WG1406401-3 WG1406401-4 | | | | | | | | |
| Methylene chloride | 97 | | 96 | | 70-130 | 1 | | 30 |
| 1,1-Dichloroethane | 102 | | 102 | | 70-130 | 0 | | 30 |
| Chloroform | 102 | | 98 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | 102 | | 104 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 104 | | 104 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 111 | | 110 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | 103 | | 101 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 111 | | 107 | | 70-130 | 4 | | 30 |
| Chlorobenzene | 103 | | 102 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 85 | | 82 | | 70-139 | 4 | | 30 |
| 1,2-Dichloroethane | 102 | | 100 | | 70-130 | 2 | | 30 |
| 1,1,1-Trichloroethane | 104 | | 102 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 106 | | 104 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 108 | | 106 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 112 | | 112 | | 70-130 | 0 | | 30 |
| 1,1-Dichloropropene | 104 | | 103 | | 70-130 | 1 | | 30 |
| Bromoform | 108 | | 106 | | 70-130 | 2 | | 30 |
| 1,1,2,2-Tetrachloroethane | 102 | | 98 | | 70-130 | 4 | | 30 |
| Benzene | 104 | | 104 | | 70-130 | 0 | | 30 |
| Toluene | 101 | | 98 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 104 | | 101 | | 70-130 | 3 | | 30 |
| Chloromethane | 103 | | 100 | | 52-130 | 3 | | 30 |
| Bromomethane | 93 | | 89 | | 57-147 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 Batch: WG1406401-3 WG1406401-4 | | | | | | | | |
| Vinyl chloride | 95 | | 92 | | 67-130 | 3 | | 30 |
| Chloroethane | 85 | | 82 | | 50-151 | 4 | | 30 |
| 1,1-Dichloroethene | 101 | | 99 | | 65-135 | 2 | | 30 |
| trans-1,2-Dichloroethene | 105 | | 102 | | 70-130 | 3 | | 30 |
| Trichloroethene | 105 | | 104 | | 70-130 | 1 | | 30 |
| 1,2-Dichlorobenzene | 105 | | 102 | | 70-130 | 3 | | 30 |
| 1,3-Dichlorobenzene | 107 | | 104 | | 70-130 | 3 | | 30 |
| 1,4-Dichlorobenzene | 104 | | 101 | | 70-130 | 3 | | 30 |
| Methyl tert butyl ether | 102 | | 101 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 106 | | 104 | | 70-130 | 2 | | 30 |
| o-Xylene | 105 | | 103 | | 70-130 | 2 | | 30 |
| cis-1,2-Dichloroethene | 106 | | 105 | | 70-130 | 1 | | 30 |
| Dibromomethane | 106 | | 107 | | 70-130 | 1 | | 30 |
| Styrene | 109 | | 108 | | 70-130 | 1 | | 30 |
| Dichlorodifluoromethane | 92 | | 92 | | 30-146 | 0 | | 30 |
| Acetone | 104 | | 101 | | 54-140 | 3 | | 30 |
| Carbon disulfide | 94 | | 93 | | 59-130 | 1 | | 30 |
| 2-Butanone | 96 | | 92 | | 70-130 | 4 | | 30 |
| Vinyl acetate | 106 | | 106 | | 70-130 | 0 | | 30 |
| 4-Methyl-2-pentanone | 101 | | 100 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichloropropane | 96 | | 94 | | 68-130 | 2 | | 30 |
| 2-Hexanone | 100 | | 103 | | 70-130 | 3 | | 30 |
| Bromochloromethane | 108 | | 109 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 Batch: WG1406401-3 WG1406401-4 | | | | | | | | |
| 2,2-Dichloropropane | 106 | | 105 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 108 | | 106 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 102 | | 102 | | 69-130 | 0 | | 30 |
| 1,1,1,2-Tetrachloroethane | 108 | | 107 | | 70-130 | 1 | | 30 |
| Bromobenzene | 107 | | 103 | | 70-130 | 4 | | 30 |
| n-Butylbenzene | 105 | | 102 | | 70-130 | 3 | | 30 |
| sec-Butylbenzene | 103 | | 99 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 104 | | 100 | | 70-130 | 4 | | 30 |
| o-Chlorotoluene | 103 | | 82 | | 70-130 | 23 | | 30 |
| p-Chlorotoluene | 104 | | 100 | | 70-130 | 4 | | 30 |
| 1,2-Dibromo-3-chloropropane | 106 | | 103 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | 107 | | 103 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 106 | | 101 | | 70-130 | 5 | | 30 |
| p-Isopropyltoluene | 107 | | 102 | | 70-130 | 5 | | 30 |
| Naphthalene | 104 | | 103 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 97 | | 99 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 103 | | 99 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 108 | | 106 | | 70-130 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 113 | | 112 | | 70-130 | 1 | | 30 |
| 1,3,5-Trimethylbenzene | 104 | | 100 | | 70-130 | 4 | | 30 |
| 1,2,4-Trimethylbenzene | 107 | | 103 | | 70-130 | 4 | | 30 |
| 1,4-Dioxane | 122 | | 119 | | 65-136 | 2 | | 30 |
| p-Diethylbenzene | 109 | | 106 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|--|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 Batch: WG1406401-3 WG1406401-4 | | | | | | | | |
| p-Ethyltoluene | 107 | | 103 | | 70-130 | 4 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 108 | | 106 | | 70-130 | 2 | | 30 |
| Ethyl ether | 100 | | 102 | | 67-130 | 2 | | 30 |
| trans-1,4-Dichloro-2-butene | 103 | | 102 | | 70-130 | 1 | | 30 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 95 | | 96 | | 70-130 |
| Toluene-d8 | 99 | | 98 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 97 | | 70-130 |
| Dibromofluoromethane | 99 | | 103 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36-37 Batch: WG1407191-3 WG1407191-4 | | | | | | | | |
| Methylene chloride | 98 | | 98 | | 70-130 | 0 | | 30 |
| 1,1-Dichloroethane | 96 | | 94 | | 70-130 | 2 | | 30 |
| Chloroform | 108 | | 107 | | 70-130 | 1 | | 30 |
| Carbon tetrachloride | 128 | | 125 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Dibromochloromethane | 100 | | 103 | | 70-130 | 3 | | 30 |
| 1,1,2-Trichloroethane | 92 | | 94 | | 70-130 | 2 | | 30 |
| Tetrachloroethene | 97 | | 94 | | 70-130 | 3 | | 30 |
| Chlorobenzene | 90 | | 89 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | 128 | | 122 | | 70-139 | 5 | | 30 |
| 1,2-Dichloroethane | 109 | | 110 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 120 | | 116 | | 70-130 | 3 | | 30 |
| Bromodichloromethane | 117 | | 119 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 102 | | 104 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 114 | | 115 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 116 | | 112 | | 70-130 | 4 | | 30 |
| Bromoform | 94 | | 98 | | 70-130 | 4 | | 30 |
| 1,1,2,2-Tetrachloroethane | 83 | | 86 | | 70-130 | 4 | | 30 |
| Benzene | 102 | | 100 | | 70-130 | 2 | | 30 |
| Toluene | 89 | | 88 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| Chloromethane | 96 | | 91 | | 52-130 | 5 | | 30 |
| Bromomethane | 100 | | 96 | | 57-147 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36-37 Batch: WG1407191-3 WG1407191-4 | | | | | | | | |
| Vinyl chloride | 110 | | 104 | | 67-130 | 6 | | 30 |
| Chloroethane | 95 | | 92 | | 50-151 | 3 | | 30 |
| 1,1-Dichloroethene | 106 | | 102 | | 65-135 | 4 | | 30 |
| trans-1,2-Dichloroethene | 106 | | 104 | | 70-130 | 2 | | 30 |
| Trichloroethene | 109 | | 107 | | 70-130 | 2 | | 30 |
| 1,2-Dichlorobenzene | 85 | | 85 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 86 | | 84 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 86 | | 85 | | 70-130 | 1 | | 30 |
| Methyl tert butyl ether | 120 | | 122 | | 66-130 | 2 | | 30 |
| p/m-Xylene | 93 | | 92 | | 70-130 | 1 | | 30 |
| o-Xylene | 90 | | 89 | | 70-130 | 1 | | 30 |
| cis-1,2-Dichloroethene | 106 | | 103 | | 70-130 | 3 | | 30 |
| Dibromomethane | 110 | | 112 | | 70-130 | 2 | | 30 |
| Styrene | 94 | | 94 | | 70-130 | 0 | | 30 |
| Dichlorodifluoromethane | 144 | | 133 | | 30-146 | 8 | | 30 |
| Acetone | 101 | | 99 | | 54-140 | 2 | | 30 |
| Carbon disulfide | 86 | | 83 | | 59-130 | 4 | | 30 |
| 2-Butanone | 99 | | 98 | | 70-130 | 1 | | 30 |
| Vinyl acetate | 103 | | 107 | | 70-130 | 4 | | 30 |
| 4-Methyl-2-pentanone | 82 | | 87 | | 70-130 | 6 | | 30 |
| 1,2,3-Trichloropropane | 85 | | 88 | | 68-130 | 3 | | 30 |
| 2-Hexanone | 89 | | 91 | | 70-130 | 2 | | 30 |
| Bromochloromethane | 107 | | 107 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36-37 Batch: WG1407191-3 WG1407191-4 | | | | | | | | |
| 2,2-Dichloropropane | 124 | | 120 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 96 | | 98 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 93 | | 95 | | 69-130 | 2 | | 30 |
| 1,1,1,2-Tetrachloroethane | 102 | | 103 | | 70-130 | 1 | | 30 |
| Bromobenzene | 86 | | 85 | | 70-130 | 1 | | 30 |
| n-Butylbenzene | 86 | | 83 | | 70-130 | 4 | | 30 |
| sec-Butylbenzene | 86 | | 83 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 86 | | 84 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 87 | | 85 | | 70-130 | 2 | | 30 |
| p-Chlorotoluene | 86 | | 84 | | 70-130 | 2 | | 30 |
| 1,2-Dibromo-3-chloropropane | 89 | | 94 | | 68-130 | 5 | | 30 |
| Hexachlorobutadiene | 103 | | 102 | | 67-130 | 1 | | 30 |
| Isopropylbenzene | 85 | | 83 | | 70-130 | 2 | | 30 |
| p-Isopropyltoluene | 88 | | 85 | | 70-130 | 3 | | 30 |
| Naphthalene | 82 | | 86 | | 70-130 | 5 | | 30 |
| Acrylonitrile | 98 | | 98 | | 70-130 | 0 | | 30 |
| n-Propylbenzene | 85 | | 83 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichlorobenzene | 89 | | 92 | | 70-130 | 3 | | 30 |
| 1,2,4-Trichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 87 | | 85 | | 70-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | 86 | | 84 | | 70-130 | 2 | | 30 |
| 1,4-Dioxane | 115 | | 116 | | 65-136 | 1 | | 30 |
| p-Diethylbenzene | 88 | | 85 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36-37 Batch: WG1407191-3 WG1407191-4 | | | | | | | | |
| p-Ethyltoluene | 86 | | 84 | | 70-130 | 2 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 90 | | 89 | | 70-130 | 1 | | 30 |
| Ethyl ether | 109 | | 110 | | 67-130 | 1 | | 30 |
| trans-1,4-Dichloro-2-butene | 87 | | 88 | | 70-130 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,2-Dichloroethane-d4 | 104 | | 107 | | 70-130 |
| Toluene-d8 | 89 | | 89 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 95 | | 70-130 |
| Dibromofluoromethane | 106 | | 105 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 36 Batch: WG1407191-8 WG1407191-9 | | | | | | | | |
| Methylene chloride | 82 | | 84 | | 70-130 | 2 | | 30 |
| 1,1-Dichloroethane | 76 | | 79 | | 70-130 | 4 | | 30 |
| Chloroform | 82 | | 87 | | 70-130 | 6 | | 30 |
| Carbon tetrachloride | 90 | | 95 | | 70-130 | 5 | | 30 |
| 1,2-Dichloropropane | 76 | | 79 | | 70-130 | 4 | | 30 |
| Dibromochloromethane | 103 | | 107 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 99 | | 104 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 100 | | 102 | | 70-130 | 2 | | 30 |
| Chlorobenzene | 95 | | 98 | | 70-130 | 3 | | 30 |
| Trichlorofluoromethane | 92 | | 96 | | 70-139 | 4 | | 30 |
| 1,2-Dichloroethane | 80 | | 84 | | 70-130 | 5 | | 30 |
| 1,1,1-Trichloroethane | 88 | | 92 | | 70-130 | 4 | | 30 |
| Bromodichloromethane | 88 | | 93 | | 70-130 | 6 | | 30 |
| trans-1,3-Dichloropropene | 97 | | 100 | | 70-130 | 3 | | 30 |
| cis-1,3-Dichloropropene | 82 | | 86 | | 70-130 | 5 | | 30 |
| 1,1-Dichloropropene | 90 | | 94 | | 70-130 | 4 | | 30 |
| Bromoform | 111 | | 115 | | 70-130 | 4 | | 30 |
| 1,1,2,2-Tetrachloroethane | 92 | | 95 | | 70-130 | 3 | | 30 |
| Benzene | 82 | | 85 | | 70-130 | 4 | | 30 |
| Toluene | 96 | | 99 | | 70-130 | 3 | | 30 |
| Ethylbenzene | 100 | | 102 | | 70-130 | 2 | | 30 |
| Chloromethane | 103 | | 102 | | 52-130 | 1 | | 30 |
| Bromomethane | 75 | | 79 | | 57-147 | 5 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 36 Batch: WG1407191-8 WG1407191-9 | | | | | | | | |
| Vinyl chloride | 88 | | 90 | | 67-130 | 2 | | 30 |
| Chloroethane | 77 | | 79 | | 50-151 | 3 | | 30 |
| 1,1-Dichloroethene | 86 | | 89 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 84 | | 87 | | 70-130 | 4 | | 30 |
| Trichloroethene | 88 | | 92 | | 70-130 | 4 | | 30 |
| 1,2-Dichlorobenzene | 101 | | 104 | | 70-130 | 3 | | 30 |
| 1,3-Dichlorobenzene | 100 | | 103 | | 70-130 | 3 | | 30 |
| 1,4-Dichlorobenzene | 100 | | 104 | | 70-130 | 4 | | 30 |
| Methyl tert butyl ether | 93 | | 98 | | 66-130 | 5 | | 30 |
| p/m-Xylene | 98 | | 102 | | 70-130 | 4 | | 30 |
| o-Xylene | 96 | | 99 | | 70-130 | 3 | | 30 |
| cis-1,2-Dichloroethene | 84 | | 85 | | 70-130 | 1 | | 30 |
| Dibromomethane | 84 | | 87 | | 70-130 | 4 | | 30 |
| Styrene | 99 | | 102 | | 70-130 | 3 | | 30 |
| Dichlorodifluoromethane | 97 | | 100 | | 30-146 | 3 | | 30 |
| Acetone | 71 | | 66 | | 54-140 | 7 | | 30 |
| Carbon disulfide | 68 | | 70 | | 59-130 | 3 | | 30 |
| 2-Butanone | 77 | | 78 | | 70-130 | 1 | | 30 |
| Vinyl acetate | 82 | | 86 | | 70-130 | 5 | | 30 |
| 4-Methyl-2-pentanone | 91 | | 93 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichloropropane | 102 | | 106 | | 68-130 | 4 | | 30 |
| 2-Hexanone | 94 | | 96 | | 70-130 | 2 | | 30 |
| Bromochloromethane | 85 | | 88 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|--|-----------|------|-----------|------|------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 36 Batch: WG1407191-8 WG1407191-9 | | | | | | | | |
| 2,2-Dichloropropane | 90 | | 93 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 101 | | 104 | | 70-130 | 3 | | 30 |
| 1,3-Dichloropropane | 100 | | 104 | | 69-130 | 4 | | 30 |
| 1,1,1,2-Tetrachloroethane | 105 | | 110 | | 70-130 | 5 | | 30 |
| Bromobenzene | 102 | | 106 | | 70-130 | 4 | | 30 |
| n-Butylbenzene | 98 | | 102 | | 70-130 | 4 | | 30 |
| sec-Butylbenzene | 102 | | 106 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 102 | | 107 | | 70-130 | 5 | | 30 |
| o-Chlorotoluene | 103 | | 107 | | 70-130 | 4 | | 30 |
| p-Chlorotoluene | 102 | | 105 | | 70-130 | 3 | | 30 |
| 1,2-Dibromo-3-chloropropane | 101 | | 104 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | 120 | | 125 | | 67-130 | 4 | | 30 |
| Isopropylbenzene | 102 | | 107 | | 70-130 | 5 | | 30 |
| p-Isopropyltoluene | 103 | | 106 | | 70-130 | 3 | | 30 |
| Naphthalene | 99 | | 103 | | 70-130 | 4 | | 30 |
| Acrylonitrile | 76 | | 78 | | 70-130 | 3 | | 30 |
| n-Propylbenzene | 101 | | 106 | | 70-130 | 5 | | 30 |
| 1,2,3-Trichlorobenzene | 105 | | 110 | | 70-130 | 5 | | 30 |
| 1,2,4-Trichlorobenzene | 105 | | 109 | | 70-130 | 4 | | 30 |
| 1,3,5-Trimethylbenzene | 103 | | 107 | | 70-130 | 4 | | 30 |
| 1,2,4-Trimethylbenzene | 100 | | 105 | | 70-130 | 5 | | 30 |
| 1,4-Dioxane | 89 | | 92 | | 65-136 | 3 | | 30 |
| p-Diethylbenzene | 102 | | 105 | | 70-130 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|--|-----------|------|-----------|------|------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 36 Batch: WG1407191-8 WG1407191-9 | | | | | | | | |
| p-Ethyltoluene | 101 | | 106 | | 70-130 | 5 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 106 | | 109 | | 70-130 | 3 | | 30 |
| Ethyl ether | 85 | | 92 | | 67-130 | 8 | | 30 |
| trans-1,4-Dichloro-2-butene | 82 | | 86 | | 70-130 | 5 | | 30 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|---------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 99 | | 100 | | 70-130 |
| Toluene-d8 | 107 | | 106 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 100 | | 70-130 |
| Dibromofluoromethane | 95 | | 96 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 38 Batch: WG1408327-3 WG1408327-4 | | | | | | | | |
| Methylene chloride | 105 | | 102 | | 70-130 | 3 | | 30 |
| 1,1-Dichloroethane | 98 | | 95 | | 70-130 | 3 | | 30 |
| Chloroform | 94 | | 91 | | 70-130 | 3 | | 30 |
| Carbon tetrachloride | 97 | | 95 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 99 | | 97 | | 70-130 | 2 | | 30 |
| Dibromochloromethane | 97 | | 97 | | 70-130 | 0 | | 30 |
| 1,1,2-Trichloroethane | 91 | | 91 | | 70-130 | 0 | | 30 |
| Tetrachloroethene | 95 | | 94 | | 70-130 | 1 | | 30 |
| Chlorobenzene | 89 | | 89 | | 70-130 | 0 | | 30 |
| Trichlorofluoromethane | 85 | | 83 | | 70-139 | 2 | | 30 |
| 1,2-Dichloroethane | 98 | | 96 | | 70-130 | 2 | | 30 |
| 1,1,1-Trichloroethane | 96 | | 93 | | 70-130 | 3 | | 30 |
| Bromodichloromethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| trans-1,3-Dichloropropene | 95 | | 96 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 103 | | 101 | | 70-130 | 2 | | 30 |
| 1,1-Dichloropropene | 96 | | 94 | | 70-130 | 2 | | 30 |
| Bromoform | 93 | | 92 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 89 | | 88 | | 70-130 | 1 | | 30 |
| Benzene | 95 | | 92 | | 70-130 | 3 | | 30 |
| Toluene | 85 | | 86 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 87 | | 87 | | 70-130 | 0 | | 30 |
| Chloromethane | 116 | | 110 | | 52-130 | 5 | | 30 |
| Bromomethane | 80 | | 76 | | 57-147 | 5 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 38 Batch: WG1408327-3 WG1408327-4 | | | | | | | | |
| Vinyl chloride | 95 | | 92 | | 67-130 | 3 | | 30 |
| Chloroethane | 81 | | 79 | | 50-151 | 3 | | 30 |
| 1,1-Dichloroethene | 98 | | 95 | | 65-135 | 3 | | 30 |
| trans-1,2-Dichloroethene | 96 | | 92 | | 70-130 | 4 | | 30 |
| Trichloroethene | 95 | | 92 | | 70-130 | 3 | | 30 |
| 1,2-Dichlorobenzene | 88 | | 88 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 89 | | 88 | | 70-130 | 1 | | 30 |
| 1,4-Dichlorobenzene | 87 | | 86 | | 70-130 | 1 | | 30 |
| Methyl tert butyl ether | 97 | | 94 | | 66-130 | 3 | | 30 |
| p/m-Xylene | 88 | | 89 | | 70-130 | 1 | | 30 |
| o-Xylene | 88 | | 87 | | 70-130 | 1 | | 30 |
| cis-1,2-Dichloroethene | 96 | | 95 | | 70-130 | 1 | | 30 |
| Dibromomethane | 100 | | 96 | | 70-130 | 4 | | 30 |
| Styrene | 91 | | 91 | | 70-130 | 0 | | 30 |
| Dichlorodifluoromethane | 95 | | 91 | | 30-146 | 4 | | 30 |
| Acetone | 122 | | 124 | | 54-140 | 2 | | 30 |
| Carbon disulfide | 91 | | 87 | | 59-130 | 4 | | 30 |
| 2-Butanone | 108 | | 110 | | 70-130 | 2 | | 30 |
| Vinyl acetate | 121 | | 117 | | 70-130 | 3 | | 30 |
| 4-Methyl-2-pentanone | 101 | | 101 | | 70-130 | 0 | | 30 |
| 1,2,3-Trichloropropane | 84 | | 85 | | 68-130 | 1 | | 30 |
| 2-Hexanone | 110 | | 109 | | 70-130 | 1 | | 30 |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 38 Batch: WG1408327-3 WG1408327-4 | | | | | | | | |
| 2,2-Dichloropropane | 96 | | 93 | | 70-130 | 3 | | 30 |
| 1,2-Dibromoethane | 95 | | 95 | | 70-130 | 0 | | 30 |
| 1,3-Dichloropropane | 92 | | 92 | | 69-130 | 0 | | 30 |
| 1,1,1,2-Tetrachloroethane | 93 | | 92 | | 70-130 | 1 | | 30 |
| Bromobenzene | 92 | | 91 | | 70-130 | 1 | | 30 |
| n-Butylbenzene | 88 | | 86 | | 70-130 | 2 | | 30 |
| sec-Butylbenzene | 85 | | 84 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 86 | | 85 | | 70-130 | 1 | | 30 |
| o-Chlorotoluene | 72 | | 70 | | 70-130 | 3 | | 30 |
| p-Chlorotoluene | 86 | | 85 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 91 | | 92 | | 68-130 | 1 | | 30 |
| Hexachlorobutadiene | 92 | | 92 | | 67-130 | 0 | | 30 |
| Isopropylbenzene | 86 | | 86 | | 70-130 | 0 | | 30 |
| p-Isopropyltoluene | 88 | | 86 | | 70-130 | 2 | | 30 |
| Naphthalene | 93 | | 93 | | 70-130 | 0 | | 30 |
| Acrylonitrile | 114 | | 108 | | 70-130 | 5 | | 30 |
| n-Propylbenzene | 86 | | 85 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichlorobenzene | 94 | | 94 | | 70-130 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 97 | | 97 | | 70-130 | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 84 | | 83 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 87 | | 86 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 114 | | 119 | | 65-136 | 4 | | 30 |
| p-Diethylbenzene | 90 | | 89 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 38 Batch: WG1408327-3 WG1408327-4 | | | | | | | | |
| p-Ethyltoluene | 87 | | 86 | | 70-130 | 1 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 90 | | 89 | | 70-130 | 1 | | 30 |
| Ethyl ether | 103 | | 100 | | 67-130 | 3 | | 30 |
| trans-1,4-Dichloro-2-butene | 109 | | 108 | | 70-130 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 96 | | 96 | | 70-130 |
| Toluene-d8 | 95 | | 96 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 96 | | 70-130 |
| Dibromofluoromethane | 103 | | 101 | | 70-130 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 QC Batch ID: WG1406233-6 WG1406233-7 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| Methylene chloride | ND | 139 | 92 | 66 | Q | 80 | 58 | Q | 70-130 | 14 | | 30 |
| 1,1-Dichloroethane | ND | 139 | 130 | 92 | | 120 | 90 | | 70-130 | 3 | | 30 |
| Chloroform | ND | 139 | 120 | 84 | | 110 | 79 | | 70-130 | 7 | | 30 |
| Carbon tetrachloride | ND | 139 | 140 | 102 | | 140 | 103 | | 70-130 | 1 | | 30 |
| 1,2-Dichloropropane | ND | 139 | 120 | 84 | | 110 | 82 | | 70-130 | 4 | | 30 |
| Dibromochloromethane | ND | 139 | 96 | 69 | Q | 81 | 59 | Q | 70-130 | 17 | | 30 |
| 1,1,2-Trichloroethane | ND | 139 | 96 | 69 | Q | 87 | 63 | Q | 70-130 | 11 | | 30 |
| Tetrachloroethene | ND | 139 | 110 | 81 | | 110 | 82 | | 70-130 | 0 | | 30 |
| Chlorobenzene | ND | 139 | 76 | 54 | Q | 65 | 47 | Q | 70-130 | 15 | | 30 |
| Trichlorofluoromethane | ND | 139 | 140 | 99 | | 150 | 111 | | 70-139 | 11 | | 30 |
| 1,2-Dichloroethane | ND | 139 | 85 | 62 | Q | 72 | 53 | Q | 70-130 | 17 | | 30 |
| 1,1,1-Trichloroethane | ND | 139 | 140 | 101 | | 140 | 103 | | 70-130 | 1 | | 30 |
| Bromodichloromethane | ND | 139 | 110 | 76 | | 94 | 69 | Q | 70-130 | 11 | | 30 |
| trans-1,3-Dichloropropene | ND | 139 | 50 | 36 | Q | 36 | 26 | Q | 70-130 | 34 | Q | 30 |
| cis-1,3-Dichloropropene | ND | 139 | 77 | 55 | Q | 60 | 44 | Q | 70-130 | 25 | | 30 |
| 1,1-Dichloropropene | ND | 139 | 120 | 85 | | 120 | 87 | | 70-130 | 1 | | 30 |
| Bromoform | ND | 139 | 86 | 62 | Q | 72 | 52 | Q | 70-130 | 18 | | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 139 | 88 | 64 | Q | 78 | 56 | Q | 70-130 | 13 | | 30 |
| Benzene | ND | 139 | 120 | 86 | | 110 | 82 | | 70-130 | 6 | | 30 |
| Toluene | ND | 139 | 100 | 73 | | 95 | 69 | Q | 70-130 | 6 | | 30 |
| Ethylbenzene | ND | 139 | 95 | 68 | Q | 91 | 66 | Q | 70-130 | 4 | | 30 |
| Chloromethane | ND | 139 | 130 | 91 | | 130 | 91 | | 52-130 | 1 | | 30 |
| Bromomethane | ND | 139 | 100 | 74 | | 100 | 76 | | 57-147 | 1 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 QC Batch ID: WG1406233-6 WG1406233-7 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| Vinyl chloride | ND | 139 | 120 | 89 | | 130 | 98 | | 67-130 | 9 | | 30 |
| Chloroethane | ND | 139 | 130 | 92 | | 140 | 102 | | 50-151 | 10 | | 30 |
| 1,1-Dichloroethene | ND | 139 | 130 | 94 | | 130 | 96 | | 65-135 | 2 | | 30 |
| trans-1,2-Dichloroethene | ND | 139 | 96 | 69 | Q | 86 | 62 | Q | 70-130 | 11 | | 30 |
| Trichloroethene | ND | 139 | 100 | 74 | | 95 | 69 | Q | 70-130 | 7 | | 30 |
| 1,2-Dichlorobenzene | ND | 139 | 49 | 35 | Q | 41 | 30 | Q | 70-130 | 19 | | 30 |
| 1,3-Dichlorobenzene | ND | 139 | 51 | 37 | Q | 43 | 32 | Q | 70-130 | 17 | | 30 |
| 1,4-Dichlorobenzene | ND | 139 | 43 | 31 | Q | 36 | 26 | Q | 70-130 | 19 | | 30 |
| Methyl tert butyl ether | ND | 139 | 130 | 91 | | 120 | 89 | | 66-130 | 3 | | 30 |
| p/m-Xylene | ND | 278 | 190 | 67 | Q | 180 | 65 | Q | 70-130 | 5 | | 30 |
| o-Xylene | ND | 278 | 190 | 68 | Q | 180 | 64 | Q | 70-130 | 7 | | 30 |
| cis-1,2-Dichloroethene | ND | 139 | 91 | 65 | Q | 76 | 55 | Q | 70-130 | 18 | | 30 |
| Dibromomethane | ND | 139 | 68 | 49 | Q | 53 | 38 | Q | 70-130 | 26 | | 30 |
| Styrene | ND | 278 | 140 | 50 | Q | 120 | 43 | Q | 70-130 | 16 | | 30 |
| Dichlorodifluoromethane | ND | 139 | 150 | 107 | | 150 | 112 | | 30-146 | 3 | | 30 |
| Acetone | ND | 139 | 120 | 84 | | 110 | 82 | | 54-140 | 3 | | 30 |
| Carbon disulfide | ND | 139 | 91 | 65 | | 87 | 64 | | 59-130 | 4 | | 30 |
| 2-Butanone | ND | 139 | 110 | 79 | | 95 | 69 | Q | 70-130 | 15 | | 30 |
| Vinyl acetate | ND | 139 | 61 | 44 | Q | 39 | 29 | Q | 70-130 | 43 | Q | 30 |
| 4-Methyl-2-pentanone | ND | 139 | 110 | 78 | | 100 | 76 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichloropropane | ND | 139 | 85 | 61 | Q | 75 | 55 | Q | 68-130 | 12 | | 30 |
| 2-Hexanone | ND | 139 | 93 | 67 | Q | 83 | 60 | Q | 70-130 | 12 | | 30 |
| Bromochloromethane | ND | 139 | 85 | 62 | Q | 69 | 50 | Q | 70-130 | 21 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 QC Batch ID: WG1406233-6 WG1406233-7 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| 2,2-Dichloropropane | ND | 139 | 150 | 106 | | 140 | 105 | | 70-130 | 2 | | 30 |
| 1,2-Dibromoethane | ND | 139 | 66 | 47 | Q | 50 | 37 | Q | 70-130 | 27 | | 30 |
| 1,3-Dichloropropane | ND | 139 | 83 | 60 | Q | 71 | 52 | Q | 69-130 | 16 | | 30 |
| 1,1,1,2-Tetrachloroethane | ND | 139 | 110 | 81 | | 100 | 73 | | 70-130 | 11 | | 30 |
| Bromobenzene | ND | 139 | 61 | 44 | Q | 49 | 36 | Q | 70-130 | 21 | | 30 |
| n-Butylbenzene | ND | 139 | 68 | 49 | Q | 71 | 52 | Q | 70-130 | 5 | | 30 |
| sec-Butylbenzene | ND | 139 | 87 | 63 | Q | 93 | 68 | Q | 70-130 | 7 | | 30 |
| tert-Butylbenzene | ND | 139 | 95 | 69 | Q | 98 | 71 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | ND | 139 | 79 | 57 | Q | 73 | 53 | Q | 70-130 | 7 | | 30 |
| p-Chlorotoluene | ND | 139 | 62 | 44 | Q | 55 | 40 | Q | 70-130 | 11 | | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 139 | 72 | 52 | Q | 59 | 43 | Q | 68-130 | 19 | | 30 |
| Hexachlorobutadiene | ND | 139 | 60 | 43 | Q | 54 | 39 | Q | 67-130 | 11 | | 30 |
| Isopropylbenzene | ND | 139 | 100 | 74 | | 110 | 76 | | 70-130 | 2 | | 30 |
| p-Isopropyltoluene | ND | 139 | 83 | 60 | Q | 84 | 62 | Q | 70-130 | 2 | | 30 |
| Naphthalene | ND | 139 | 23 | 16 | Q | 20 | 14 | Q | 70-130 | 15 | | 30 |
| Acrylonitrile | ND | 139 | 88 | 64 | Q | 73 | 53 | Q | 70-130 | 19 | | 30 |
| n-Propylbenzene | ND | 139 | 86 | 62 | Q | 89 | 65 | Q | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | ND | 139 | 23 | 17 | Q | 20 | 15 | Q | 70-130 | 14 | | 30 |
| 1,2,4-Trichlorobenzene | ND | 139 | 25 | 18 | Q | 23 | 16 | Q | 70-130 | 12 | | 30 |
| 1,3,5-Trimethylbenzene | ND | 139 | 87 | 62 | Q | 84 | 62 | Q | 70-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | ND | 139 | 79 | 57 | Q | 74 | 54 | Q | 70-130 | 6 | | 30 |
| 1,4-Dioxane | ND | 6940 | 9000 | 130 | | 8100 | 118 | | 65-136 | 10 | | 30 |
| p-Diethylbenzene | ND | 139 | 72 | 52 | Q | 72 | 52 | Q | 70-130 | 0 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 18,20 QC Batch ID: WG1406233-6 WG1406233-7 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 139 | 84 | 60 | Q | 84 | 61 | Q | 70-130 | 0 | | 30 |
| 1,2,4,5-Tetramethylbenzene | ND | 139 | 58 | 42 | Q | 51 | 37 | Q | 70-130 | 13 | | 30 |
| Ethyl ether | ND | 139 | 120 | 84 | | 110 | 80 | | 67-130 | 5 | | 30 |
| trans-1,4-Dichloro-2-butene | ND | 139 | 40 | 29 | Q | 31 | 23 | Q | 70-130 | 26 | | 30 |

| Surrogate | MS | | MSD | | Acceptance Criteria |
|-----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 | 99 | | 99 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 104 | | 70-130 |
| Dibromofluoromethane | 103 | | 101 | | 70-130 |
| Toluene-d8 | 99 | | 99 | | 70-130 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 QC Batch ID: WG1406401-6 WG1406401-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| Methylene chloride | ND | 90.6 | 87 | 96 | | 90 | 89 | | 70-130 | 4 | | 30 |
| 1,1-Dichloroethane | ND | 90.6 | 95 | 104 | | 100 | 100 | | 70-130 | 6 | | 30 |
| Chloroform | ND | 90.6 | 93 | 103 | | 97 | 96 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | ND | 90.6 | 100 | 112 | | 110 | 110 | | 70-130 | 8 | | 30 |
| 1,2-Dichloropropane | ND | 90.6 | 92 | 101 | | 94 | 94 | | 70-130 | 3 | | 30 |
| Dibromochloromethane | ND | 90.6 | 94 | 103 | | 93 | 92 | | 70-130 | 1 | | 30 |
| 1,1,2-Trichloroethane | ND | 90.6 | 84 | 93 | | 84 | 84 | | 70-130 | 0 | | 30 |
| Tetrachloroethene | ND | 90.6 | 90 | 100 | | 96 | 95 | | 70-130 | 6 | | 30 |
| Chlorobenzene | ND | 90.6 | 84 | 93 | | 82 | 82 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | ND | 90.6 | 96 | 106 | | 100 | 103 | | 70-139 | 8 | | 30 |
| 1,2-Dichloroethane | ND | 90.6 | 85 | 94 | | 86 | 86 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | ND | 90.6 | 99 | 109 | | 110 | 105 | | 70-130 | 7 | | 30 |
| Bromodichloromethane | ND | 90.6 | 93 | 102 | | 94 | 94 | | 70-130 | 1 | | 30 |
| trans-1,3-Dichloropropene | ND | 90.6 | 89 | 98 | | 86 | 86 | | 70-130 | 3 | | 30 |
| cis-1,3-Dichloropropene | ND | 90.6 | 96 | 105 | | 95 | 94 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | ND | 90.6 | 98 | 108 | | 110 | 104 | | 70-130 | 7 | | 30 |
| Bromoform | ND | 90.6 | 88 | 97 | | 87 | 86 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 90.6 | 78 | 86 | | 78 | 77 | | 70-130 | 0 | | 30 |
| Benzene | ND | 90.6 | 94 | 104 | | 99 | 98 | | 70-130 | 4 | | 30 |
| Toluene | ND | 90.6 | 86 | 95 | | 88 | 88 | | 70-130 | 2 | | 30 |
| Ethylbenzene | ND | 90.6 | 86 | 95 | | 87 | 86 | | 70-130 | 1 | | 30 |
| Chloromethane | ND | 90.6 | 99 | 110 | | 110 | 105 | | 52-130 | 7 | | 30 |
| Bromomethane | ND | 90.6 | 89 | 98 | | 94 | 93 | | 57-147 | 5 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 QC Batch ID: WG1406401-6 WG1406401-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| Vinyl chloride | ND | 90.6 | 100 | 110 | | 110 | 107 | | 67-130 | 8 | | 30 |
| Chloroethane | ND | 90.6 | 100 | 112 | | 100 | 103 | | 50-151 | 2 | | 30 |
| 1,1-Dichloroethene | ND | 90.6 | 100 | 112 | | 110 | 111 | | 65-135 | 9 | | 30 |
| trans-1,2-Dichloroethene | ND | 90.6 | 95 | 105 | | 100 | 101 | | 70-130 | 7 | | 30 |
| Trichloroethene | ND | 90.6 | 93 | 103 | | 98 | 97 | | 70-130 | 5 | | 30 |
| 1,2-Dichlorobenzene | ND | 90.6 | 73 | 81 | | 64 | 63 | Q | 70-130 | 14 | | 30 |
| 1,3-Dichlorobenzene | ND | 90.6 | 73 | 81 | | 65 | 64 | Q | 70-130 | 12 | | 30 |
| 1,4-Dichlorobenzene | ND | 90.6 | 69 | 76 | | 61 | 60 | Q | 70-130 | 13 | | 30 |
| Methyl tert butyl ether | ND | 90.6 | 86 | 95 | | 90 | 89 | | 66-130 | 4 | | 30 |
| p/m-Xylene | ND | 181 | 170 | 95 | | 170 | 85 | | 70-130 | 0 | | 30 |
| o-Xylene | ND | 181 | 170 | 96 | | 170 | 84 | | 70-130 | 2 | | 30 |
| cis-1,2-Dichloroethene | ND | 90.6 | 95 | 105 | | 98 | 98 | | 70-130 | 3 | | 30 |
| Dibromomethane | ND | 90.6 | 88 | 98 | | 89 | 88 | | 70-130 | 1 | | 30 |
| Styrene | ND | 181 | 180 | 97 | | 170 | 84 | | 70-130 | 3 | | 30 |
| Dichlorodifluoromethane | ND | 90.6 | 110 | 116 | | 120 | 118 | | 30-146 | 13 | | 30 |
| Acetone | ND | 90.6 | 84 | 93 | | 85 | 85 | | 54-140 | 2 | | 30 |
| Carbon disulfide | ND | 90.6 | 93 | 102 | | 97 | 97 | | 59-130 | 5 | | 30 |
| 2-Butanone | ND | 90.6 | 76 | 84 | | 81 | 81 | | 70-130 | 7 | | 30 |
| Vinyl acetate | ND | 90.6 | 53 | 58 | Q | 46 | 46 | Q | 70-130 | 14 | | 30 |
| 4-Methyl-2-pentanone | ND | 90.6 | 79 | 87 | | 82 | 81 | | 70-130 | 3 | | 30 |
| 1,2,3-Trichloropropane | ND | 90.6 | 74 | 82 | | 75 | 74 | | 68-130 | 1 | | 30 |
| 2-Hexanone | ND | 90.6 | 80 | 88 | | 82 | 81 | | 70-130 | 2 | | 30 |
| Bromochloromethane | ND | 90.6 | 94 | 104 | | 96 | 95 | | 70-130 | 2 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 QC Batch ID: WG1406401-6 WG1406401-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| 2,2-Dichloropropane | ND | 90.6 | 100 | 110 | | 110 | 107 | | 70-130 | 8 | | 30 |
| 1,2-Dibromoethane | ND | 90.6 | 86 | 94 | | 86 | 85 | | 70-130 | 0 | | 30 |
| 1,3-Dichloropropane | ND | 90.6 | 83 | 92 | | 84 | 83 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | ND | 90.6 | 93 | 102 | | 91 | 91 | | 70-130 | 1 | | 30 |
| Bromobenzene | ND | 90.6 | 81 | 89 | | 77 | 77 | | 70-130 | 5 | | 30 |
| n-Butylbenzene | ND | 90.6 | 66 | 72 | | 61 | 60 | Q | 70-130 | 7 | | 30 |
| sec-Butylbenzene | ND | 90.6 | 76 | 84 | | 75 | 75 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | ND | 90.6 | 81 | 90 | | 81 | 80 | | 70-130 | 1 | | 30 |
| o-Chlorotoluene | ND | 90.6 | 77 | 85 | | 74 | 74 | | 70-130 | 4 | | 30 |
| p-Chlorotoluene | ND | 90.6 | 74 | 81 | | 69 | 68 | Q | 70-130 | 7 | | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 90.6 | 79 | 87 | | 78 | 78 | | 68-130 | 1 | | 30 |
| Hexachlorobutadiene | ND | 90.6 | 50 | 55 | Q | 47 | 47 | Q | 67-130 | 6 | | 30 |
| Isopropylbenzene | ND | 90.6 | 85 | 93 | | 86 | 86 | | 70-130 | 2 | | 30 |
| p-Isopropyltoluene | ND | 90.6 | 74 | 82 | | 71 | 71 | | 70-130 | 4 | | 30 |
| Naphthalene | ND | 90.6 | 67 | 74 | | 57 | 57 | Q | 70-130 | 15 | | 30 |
| Acrylonitrile | ND | 90.6 | 77 | 85 | | 81 | 80 | | 70-130 | 4 | | 30 |
| n-Propylbenzene | ND | 90.6 | 78 | 86 | | 78 | 77 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichlorobenzene | ND | 90.6 | 56 | 62 | Q | 41 | 41 | Q | 70-130 | 30 | | 30 |
| 1,2,4-Trichlorobenzene | ND | 90.6 | 57 | 63 | Q | 43 | 42 | Q | 70-130 | 29 | | 30 |
| 1,3,5-Trimethylbenzene | ND | 90.6 | 78 | 86 | | 75 | 75 | | 70-130 | 3 | | 30 |
| 1,2,4-Trimethylbenzene | ND | 90.6 | 77 | 85 | | 73 | 73 | | 70-130 | 5 | | 30 |
| 1,4-Dioxane | ND | 4530 | 5400 | 118 | | 5800 | 115 | | 65-136 | 8 | | 30 |
| p-Diethylbenzene | ND | 90.6 | 70 | 77 | | 65 | 64 | Q | 70-130 | 8 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 31-34 QC Batch ID: WG1406401-6 WG1406401-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 90.6 | 78 | 86 | | 76 | 76 | | 70-130 | 2 | | 30 |
| 1,2,4,5-Tetramethylbenzene | ND | 90.6 | 69 | 76 | | 59 | 58 | Q | 70-130 | 16 | | 30 |
| Ethyl ether | ND | 90.6 | 89 | 98 | | 92 | 91 | | 67-130 | 3 | | 30 |
| trans-1,4-Dichloro-2-butene | ND | 90.6 | 76 | 84 | | 76 | 76 | | 70-130 | 0 | | 30 |

| Surrogate | MS | | MSD | | Acceptance Criteria |
|-----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 | 95 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 97 | | 70-130 |
| Dibromofluoromethane | 101 | | 102 | | 70-130 |
| Toluene-d8 | 98 | | 97 | | 70-130 |

SEMIVOLATILES

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/20 03:06
 Analyst: JRW
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 00:10

| 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 | 24 | J | 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 | 190 | | 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 | 210 | | 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 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 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 | 160 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 290 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 320 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 120 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 190 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | ND | | ug/kg | 140 | 28. | 1 |
| Anthracene | ND | | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 250 | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 120 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 47 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 250 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 170 | | 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 | 36 | J | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 35 | 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 | 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 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 |
| 1,4-Dioxane | ND | | ug/kg | 27 | 8.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 65 | | 25-120 |
| Phenol-d6 | 67 | | 10-120 |
| Nitrobenzene-d5 | 80 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 30-120 |
| 2,4,6-Tribromophenol | 61 | | 10-136 |
| 4-Terphenyl-d14 | 64 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/01/20 20:02
 Analyst: SG
 Percent Solids: 90%

Extraction Method: ALPHA 23528
 Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.500 | 0.023 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.500 | 0.046 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.500 | 0.039 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.059 | J | ug/kg | 0.500 | 0.053 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.500 | 0.045 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.500 | 0.061 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.260 | J | ug/kg | 0.500 | 0.042 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.500 | 0.180 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.500 | 0.137 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.500 | 0.075 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 2.02 | F | ug/kg | 0.500 | 0.130 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.500 | 0.067 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.500 | 0.287 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.500 | 0.202 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.500 | 0.047 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.500 | 0.153 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.500 | 0.098 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.500 | 0.085 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.500 | 0.070 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.500 | 0.205 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.500 | 0.054 | 1 |
| PFOA/PFOS, Total | 2.28 | J | ug/kg | 0.500 | 0.042 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 106 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 106 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 95 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 100 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 105 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 103 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 111 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 107 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 106 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 99 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 129 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 68 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 104 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 34 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 81 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 101 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 78 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/20 01:06
 Analyst: JRW
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 32 | J | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 54. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 35. | 1 |
| Fluoranthene | 480 | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 580 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 33. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 68 | J | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 70. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 51. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 69. | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 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 | 42. | 1 |
| Benzo(a)anthracene | 220 | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | 220 | | ug/kg | 160 | 49. | 1 |
| Benzo(b)fluoranthene | 250 | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 110 | J | ug/kg | 120 | 32. | 1 |
| Chrysene | 220 | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 31. | 1 |
| Anthracene | 72 | J | ug/kg | 120 | 39. | 1 |
| Benzo(ghi)perylene | 120 | J | ug/kg | 160 | 24. | 1 |
| Fluorene | 31 | J | ug/kg | 200 | 20. | 1 |
| Phenanthrene | 340 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 130 | J | ug/kg | 160 | 28. | 1 |
| Pyrene | 430 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 460 | 47. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 84. | 1 |
| Dibenzofuran | 19 | J | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 240 | 24. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 21. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 25. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 38. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 67. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 440 | 76. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 82. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 970 | 94. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 520 | 97. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 44. | 1 |
| Phenol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 31. | 1 |
| 3-Methylphenol/4-Methylphenol | 90 | J | ug/kg | 290 | 32. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 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 | 650 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 62. | 1 |
| Carbazole | 24 | J | ug/kg | 200 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 30 | 9.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 67 | | 25-120 |
| Phenol-d6 | 67 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 30-120 |
| 2,4,6-Tribromophenol | 66 | | 10-136 |
| 4-Terphenyl-d14 | 46 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/01/20 20:18
 Analyst: SG
 Percent Solids: 81%

Extraction Method: ALPHA 23528
 Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.559 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.559 | 0.051 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.559 | 0.044 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.559 | 0.059 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.559 | 0.050 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.559 | 0.068 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.559 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.559 | 0.200 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.559 | 0.152 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.559 | 0.084 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.559 | 0.145 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.559 | 0.075 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.559 | 0.321 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.559 | 0.225 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.559 | 0.052 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.559 | 0.171 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.559 | 0.110 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.559 | 0.094 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.559 | 0.078 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.559 | 0.228 | 1 |
| Perfluorotetradecanoic Acid (PFTa) | ND | | ug/kg | 0.559 | 0.060 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.559 | 0.047 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 112 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 94 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 100 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 109 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 102 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 122 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 104 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 102 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 138 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 79 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 107 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 26 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 84 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 103 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 81 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
 Client ID: 032_DUP-1
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/20 00:42
 Analyst: JRW
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 180 | 23. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 220 | 25. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 25. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 220 | 40. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 220 | 38. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 220 | 38. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 220 | 58. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 220 | 44. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 220 | 38. | 1 |
| Fluoranthene | 95 | J | ug/kg | 130 | 25. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 220 | 24. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 220 | 34. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 260 | 38. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 240 | 22. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 220 | 32. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 630 | 200 | 1 |
| Hexachloroethane | ND | | ug/kg | 180 | 36. | 1 |
| Isophorone | ND | | ug/kg | 200 | 28. | 1 |
| Naphthalene | 37 | J | ug/kg | 220 | 27. | 1 |
| Nitrobenzene | ND | | ug/kg | 200 | 32. | 1 |
| NDPA/DPA | ND | | ug/kg | 180 | 25. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 220 | 34. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 220 | 76. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 220 | 55. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 220 | 42. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 220 | 75. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-03

Date Collected: 08/27/20 11:10

Client ID: 032_DUP-1

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 220 | 20. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 220 | 46. | 1 |
| Benzo(a)anthracene | 52 | J | ug/kg | 130 | 25. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 180 | 54. | 1 |
| Benzo(b)fluoranthene | 48 | J | ug/kg | 130 | 37. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 130 | 35. | 1 |
| Chrysene | 48 | J | ug/kg | 130 | 23. | 1 |
| Acenaphthylene | ND | | ug/kg | 180 | 34. | 1 |
| Anthracene | ND | | ug/kg | 130 | 43. | 1 |
| Benzo(ghi)perylene | 29 | J | ug/kg | 180 | 26. | 1 |
| Fluorene | ND | | ug/kg | 220 | 21. | 1 |
| Phenanthrene | 62 | J | ug/kg | 130 | 27. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 130 | 25. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 180 | 31. | 1 |
| Pyrene | 83 | J | ug/kg | 130 | 22. | 1 |
| Biphenyl | ND | | ug/kg | 500 | 51. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 220 | 40. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 220 | 42. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 220 | 41. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 220 | 91. | 1 |
| Dibenzofuran | ND | | ug/kg | 220 | 21. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 260 | 26. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 220 | 23. | 1 |
| Acetophenone | ND | | ug/kg | 220 | 27. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 42. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 220 | 33. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 220 | 26. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 200 | 35. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 220 | 72. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 480 | 83. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 310 | 90. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1000 | 100 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 570 | 100 | 1 |
| Pentachlorophenol | ND | | ug/kg | 180 | 48. | 1 |
| Phenol | ND | | ug/kg | 220 | 33. | 1 |
| 2-Methylphenol | ND | | ug/kg | 220 | 34. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 320 | 34. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
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 | 220 | 42. | 1 |
| Benzoic Acid | ND | | ug/kg | 710 | 220 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 220 | 67. | 1 |
| Carbazole | ND | | ug/kg | 220 | 21. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 33 | 10. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 56 | | 25-120 |
| Phenol-d6 | 57 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 70 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 20:35
Analyst: SG
Percent Solids: 74%

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.624 | 0.028 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.624 | 0.057 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.624 | 0.049 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.624 | 0.066 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.624 | 0.056 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.624 | 0.076 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.624 | 0.052 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.624 | 0.224 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.624 | 0.170 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.624 | 0.094 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.624 | 0.162 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.624 | 0.084 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.624 | 0.358 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.624 | 0.252 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.624 | 0.058 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.624 | 0.191 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.624 | 0.122 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.624 | 0.105 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.624 | 0.087 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.624 | 0.255 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.624 | 0.067 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.624 | 0.052 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
 Client ID: 032_DUP-1
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
 Date Received: 08/27/20
 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) | 104 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 110 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 111 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 96 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 104 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 114 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 106 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 122 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 111 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 108 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 141 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 78 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 112 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 42 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 99 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 105 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04 D
 Client ID: 033_LSB-49_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 11:22
 Analyst: WR
 Percent Solids: 76%

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 01:13

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 220 | J | ug/kg | 870 | 110 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1100 | 120 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 650 | 120 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 970 | 150 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1100 | 110 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1100 | 190 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1100 | 190 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1100 | 190 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1100 | 290 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1100 | 220 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1100 | 180 | 5 |
| Fluoranthene | 3000 | | ug/kg | 650 | 120 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1100 | 120 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1100 | 160 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1300 | 180 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1200 | 110 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1100 | 160 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3100 | 980 | 5 |
| Hexachloroethane | ND | | ug/kg | 870 | 180 | 5 |
| Isophorone | ND | | ug/kg | 970 | 140 | 5 |
| Naphthalene | ND | | ug/kg | 1100 | 130 | 5 |
| Nitrobenzene | ND | | ug/kg | 970 | 160 | 5 |
| NDPA/DPA | ND | | ug/kg | 870 | 120 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1100 | 170 | 5 |
| Bis(2-ethylhexyl)phthalate | 420 | J | ug/kg | 1100 | 370 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1100 | 270 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1100 | 200 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1100 | 370 | 5 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04 D
 Client ID: 033_LSB-49_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
 Date Received: 08/27/20
 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 | 1100 | 100 | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1100 | 230 | 5 |
| Benzo(a)anthracene | 1400 | | ug/kg | 650 | 120 | 5 |
| Benzo(a)pyrene | 970 | | ug/kg | 870 | 260 | 5 |
| Benzo(b)fluoranthene | 1200 | | ug/kg | 650 | 180 | 5 |
| Benzo(k)fluoranthene | 450 | J | ug/kg | 650 | 170 | 5 |
| Chrysene | 1500 | | ug/kg | 650 | 110 | 5 |
| Acenaphthylene | 590 | J | ug/kg | 870 | 170 | 5 |
| Anthracene | 480 | J | ug/kg | 650 | 210 | 5 |
| Benzo(ghi)perylene | 550 | J | ug/kg | 870 | 130 | 5 |
| Fluorene | 400 | J | ug/kg | 1100 | 100 | 5 |
| Phenanthrene | 1800 | | ug/kg | 650 | 130 | 5 |
| Dibenzo(a,h)anthracene | 160 | J | ug/kg | 650 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | 530 | J | ug/kg | 870 | 150 | 5 |
| Pyrene | 3000 | | ug/kg | 650 | 110 | 5 |
| Biphenyl | ND | | ug/kg | 2500 | 250 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1100 | 200 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1100 | 210 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1100 | 200 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1100 | 450 | 5 |
| Dibenzofuran | ND | | ug/kg | 1100 | 100 | 5 |
| 2-Methylnaphthalene | ND | | ug/kg | 1300 | 130 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1100 | 110 | 5 |
| Acetophenone | ND | | ug/kg | 1100 | 130 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 650 | 200 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1100 | 160 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1100 | 130 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 970 | 170 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1100 | 360 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2300 | 410 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1500 | 440 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 5200 | 500 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2800 | 520 | 5 |
| Pentachlorophenol | ND | | ug/kg | 870 | 240 | 5 |
| Phenol | ND | | ug/kg | 1100 | 160 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1100 | 170 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1600 | 170 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-04 D

Date Collected: 08/27/20 12:40

Client ID: 033_LSB-49_9.5-11.5

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 1100 | 210 | 5 |
| Benzoic Acid | ND | | ug/kg | 3500 | 1100 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1100 | 330 | 5 |
| Carbazole | 270 | J | ug/kg | 1100 | 100 | 5 |
| 1,4-Dioxane | ND | | ug/kg | 160 | 50. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 22 | Q | 25-120 |
| Phenol-d6 | 56 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 57 | | 30-120 |
| 2,4,6-Tribromophenol | 16 | | 10-136 |
| 4-Terphenyl-d14 | 37 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8270D
 Analytical Date: 09/01/20 10:17
 Analyst: JRW

Extraction Method: EPA 3510C
 Extraction Date: 08/31/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 59 | | 21-120 |
| Phenol-d6 | 46 | | 10-120 |
| Nitrobenzene-d5 | 74 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 15-120 |
| 2,4,6-Tribromophenol | 74 | | 10-120 |
| 4-Terphenyl-d14 | 85 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 18:45
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:36

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 0.06 | J | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | 0.03 | J | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 0.03 | J | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 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 | 49 | | 21-120 |
| Phenol-d6 | 44 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 15-120 |
| 2,4,6-Tribromophenol | 58 | | 10-120 |
| 4-Terphenyl-d14 | 100 | | 41-149 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/04/20 23:12
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/03/20 13:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 144 | 32.6 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 63 | | 15-110 | |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/20 12:53
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/03/20 10:31

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.87 | 0.381 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.87 | 0.370 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.87 | 0.222 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.343 | J | ng/l | 1.87 | 0.306 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.87 | 0.210 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.87 | 0.351 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.87 | 0.220 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.87 | 1.24 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.87 | 0.642 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.87 | 0.291 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.87 | 0.470 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.87 | 0.284 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.87 | 1.13 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.87 | 0.605 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.87 | 0.243 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.87 | 0.914 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.87 | 0.541 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.87 | 0.750 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.87 | 0.347 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.87 | 0.305 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.87 | 0.231 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.87 | 0.220 | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 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) | 89 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 95 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 87 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 89 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 67 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 100 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 92 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 85 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 75 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 57 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 88 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 25 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 63 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 86 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 77 | | 33-143 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-06
 Client ID: 035_LSB-52_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/01/20 01:30
 Analyst: JRW
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 64 | 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 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 52. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 34. | 1 |
| Fluoranthene | 680 | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 30. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 560 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 79 | J | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 29. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 68. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 50. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 37. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 67. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-06
 Client ID: 035_LSB-52_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
 Date Received: 08/27/20
 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 | 320 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 360 | | ug/kg | 160 | 48. | 1 |
| Benzo(b)fluoranthene | 400 | | ug/kg | 120 | 33. | 1 |
| Benzo(k)fluoranthene | 160 | | ug/kg | 120 | 32. | 1 |
| Chrysene | 330 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 30. | 1 |
| Anthracene | 71 | J | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | 220 | | ug/kg | 160 | 23. | 1 |
| Fluorene | 46 | J | ug/kg | 200 | 19. | 1 |
| Phenanthrene | 500 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 49 | J | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 220 | | ug/kg | 160 | 27. | 1 |
| Pyrene | 660 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 450 | 46. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 82. | 1 |
| Dibenzofuran | 29 | J | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 240 | 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 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 65. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 74. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 80. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 950 | 92. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 510 | 95. | 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 | 42 | J | ug/kg | 280 | 31. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-06
 Client ID: 035_LSB-52_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
 Date Received: 08/27/20
 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 | 640 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 60. | 1 |
| Carbazole | 32 | J | ug/kg | 200 | 19. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 30 | 9.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 73 | | 25-120 |
| Phenol-d6 | 74 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 69 | | 10-136 |
| 4-Terphenyl-d14 | 52 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/31/20 19:30
 Analyst: DW
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| 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 | 230 | | 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 | 110 | J | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 26. | 1 |
| NDPA/DPA | ND | | ug/kg | 140 | 20. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 45. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 61. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 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 | 160 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 240 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 300 | | ug/kg | 110 | 30. | 1 |
| Benzo(k)fluoranthene | 90 | J | ug/kg | 110 | 29. | 1 |
| Chrysene | 160 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 130 | J | ug/kg | 140 | 28. | 1 |
| Anthracene | 87 | J | ug/kg | 110 | 35. | 1 |
| Benzo(ghi)perylene | 290 | | ug/kg | 140 | 21. | 1 |
| Fluorene | ND | | ug/kg | 180 | 17. | 1 |
| Phenanthrene | 110 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 52 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 210 | | ug/kg | 140 | 25. | 1 |
| Pyrene | 220 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | 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 | ND | | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | ND | | 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 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 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 | 24 | J | ug/kg | 180 | 17. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 27 | 8.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 40 | | 25-120 |
| Phenol-d6 | 40 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 41 | | 30-120 |
| 2,4,6-Tribromophenol | 28 | | 10-136 |
| 4-Terphenyl-d14 | 30 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
Client ID: 037_LSB-43_2.5-4.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 20:52
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.528 | 0.024 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 0.051 | J | ug/kg | 0.528 | 0.049 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.528 | 0.041 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.097 | JF | ug/kg | 0.528 | 0.056 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.528 | 0.048 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.528 | 0.064 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.286 | J | ug/kg | 0.528 | 0.044 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.528 | 0.190 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.528 | 0.144 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.528 | 0.079 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 1.33 | F | ug/kg | 0.528 | 0.137 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.528 | 0.071 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.528 | 0.303 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.528 | 0.213 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.528 | 0.049 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.528 | 0.162 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.528 | 0.104 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.528 | 0.089 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.528 | 0.074 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.528 | 0.216 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.528 | 0.057 | 1 |
| PFOA/PFOS, Total | 1.62 | J | ug/kg | 0.528 | 0.044 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 113 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 95 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 103 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 117 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 108 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 140 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 118 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 115 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 106 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 191 | Q | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 70 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 114 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 16 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 97 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 102 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/01/20 21:08
 Analyst: SG
 Percent Solids: 74%

Extraction Method: ALPHA 23528
 Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.637 | 0.029 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.637 | 0.059 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.637 | 0.050 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.637 | 0.067 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.637 | 0.057 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.637 | 0.077 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.637 | 0.053 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.637 | 0.229 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.637 | 0.174 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.637 | 0.096 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.569 | JF | ug/kg | 0.637 | 0.166 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.637 | 0.085 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.637 | 0.366 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 0.264 | J | ug/kg | 0.637 | 0.257 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.637 | 0.060 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.637 | 0.195 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.637 | 0.125 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 0.172 | JF | ug/kg | 0.637 | 0.108 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.637 | 0.089 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.637 | 0.260 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.637 | 0.069 | 1 |
| PFOA/PFOS, Total | 0.569 | J | ug/kg | 0.637 | 0.053 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 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) | 99 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 105 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 106 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 88 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 97 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 108 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 102 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 152 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 106 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 102 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 98 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 185 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 94 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 105 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 5 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 109 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 94 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 83 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09 D
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 11:41
 Analyst: EK
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 810 | J | ug/kg | 900 | 120 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1100 | 130 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 670 | 120 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1100 | 110 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1100 | 200 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1100 | 190 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1100 | 200 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1100 | 300 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1100 | 220 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1100 | 190 | 5 |
| Fluoranthene | 20000 | | ug/kg | 670 | 130 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1100 | 120 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1100 | 170 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1300 | 190 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1200 | 110 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1100 | 160 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3200 | 1000 | 5 |
| Hexachloroethane | ND | | ug/kg | 900 | 180 | 5 |
| Isophorone | ND | | ug/kg | 1000 | 140 | 5 |
| Naphthalene | 4600 | | ug/kg | 1100 | 140 | 5 |
| Nitrobenzene | ND | | ug/kg | 1000 | 160 | 5 |
| NDPA/DPA | ND | | ug/kg | 900 | 130 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1100 | 170 | 5 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 1100 | 390 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1100 | 280 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1100 | 210 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1100 | 380 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-09 D
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 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 | 1100 | 100 | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1100 | 240 | 5 |
| Benzo(a)anthracene | 8300 | | ug/kg | 670 | 130 | 5 |
| Benzo(a)pyrene | 7600 | | ug/kg | 900 | 270 | 5 |
| Benzo(b)fluoranthene | 8200 | | ug/kg | 670 | 190 | 5 |
| Benzo(k)fluoranthene | 2400 | | ug/kg | 670 | 180 | 5 |
| Chrysene | 7100 | | ug/kg | 670 | 120 | 5 |
| Acenaphthylene | ND | | ug/kg | 900 | 170 | 5 |
| Anthracene | 2300 | | ug/kg | 670 | 220 | 5 |
| Benzo(ghi)perylene | 5100 | | ug/kg | 900 | 130 | 5 |
| Fluorene | 1200 | | ug/kg | 1100 | 110 | 5 |
| Phenanthrene | 4400 | | ug/kg | 670 | 140 | 5 |
| Dibenzo(a,h)anthracene | 980 | | ug/kg | 670 | 130 | 5 |
| Indeno(1,2,3-cd)pyrene | 4800 | | ug/kg | 900 | 160 | 5 |
| Pyrene | 18000 | | ug/kg | 670 | 110 | 5 |
| Biphenyl | ND | | ug/kg | 2600 | 260 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1100 | 200 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1100 | 220 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1100 | 210 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1100 | 460 | 5 |
| Dibenzofuran | 1100 | | ug/kg | 1100 | 100 | 5 |
| 2-Methylnaphthalene | 760 | J | ug/kg | 1300 | 140 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1100 | 120 | 5 |
| Acetophenone | ND | | ug/kg | 1100 | 140 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 670 | 210 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1100 | 170 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1100 | 130 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 1000 | 180 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1100 | 370 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2400 | 420 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1600 | 460 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 5400 | 520 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2900 | 540 | 5 |
| Pentachlorophenol | ND | | ug/kg | 900 | 250 | 5 |
| Phenol | ND | | ug/kg | 1100 | 170 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1100 | 170 | 5 |
| 3-Methylphenol/4-Methylphenol | 460 | J | ug/kg | 1600 | 180 | 5 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09 D
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 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 | 1100 | 210 | 5 |
| Benzoic Acid | ND | | ug/kg | 3600 | 1100 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1100 | 340 | 5 |
| Carbazole | 580 | J | ug/kg | 1100 | 110 | 5 |
| 1,4-Dioxane | ND | | ug/kg | 170 | 52. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 60 | | 25-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 72 | | 10-136 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-10
 Client ID: 039_LSB-48_8.0-10.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/31/20 20:15
 Analyst: DW
 Percent Solids: 70%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 190 | 24. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 240 | 27. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 140 | 26. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 210 | 32. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 240 | 23. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 240 | 42. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 240 | 40. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 240 | 41. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 240 | 63. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 240 | 47. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 240 | 40. | 1 |
| Fluoranthene | 130 | J | ug/kg | 140 | 27. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 240 | 25. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 240 | 36. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 280 | 40. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 250 | 24. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 240 | 34. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 670 | 210 | 1 |
| Hexachloroethane | ND | | ug/kg | 190 | 38. | 1 |
| Isophorone | ND | | ug/kg | 210 | 30. | 1 |
| Naphthalene | 36 | J | ug/kg | 240 | 29. | 1 |
| Nitrobenzene | ND | | ug/kg | 210 | 35. | 1 |
| NDPA/DPA | ND | | ug/kg | 190 | 27. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 240 | 36. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 240 | 81. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 240 | 59. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 240 | 45. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 240 | 80. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-10
 Client ID: 039_LSB-48_8.0-10.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
 Date Received: 08/28/20
 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 | 240 | 22. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 240 | 49. | 1 |
| Benzo(a)anthracene | 60 | J | ug/kg | 140 | 26. | 1 |
| Benzo(a)pyrene | 78 | J | ug/kg | 190 | 57. | 1 |
| Benzo(b)fluoranthene | 80 | J | ug/kg | 140 | 40. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 140 | 38. | 1 |
| Chrysene | 55 | J | ug/kg | 140 | 24. | 1 |
| Acenaphthylene | ND | | ug/kg | 190 | 36. | 1 |
| Anthracene | ND | | ug/kg | 140 | 46. | 1 |
| Benzo(ghi)perylene | 56 | J | ug/kg | 190 | 28. | 1 |
| Fluorene | ND | | ug/kg | 240 | 23. | 1 |
| Phenanthrene | 45 | J | ug/kg | 140 | 29. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 140 | 27. | 1 |
| Indeno(1,2,3-cd)pyrene | 55 | J | ug/kg | 190 | 33. | 1 |
| Pyrene | 120 | J | ug/kg | 140 | 23. | 1 |
| Biphenyl | ND | | ug/kg | 540 | 55. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 240 | 43. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 240 | 45. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 240 | 44. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 240 | 97. | 1 |
| Dibenzofuran | ND | | ug/kg | 240 | 22. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 280 | 28. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 240 | 24. | 1 |
| Acetophenone | ND | | ug/kg | 240 | 29. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 140 | 45. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 240 | 35. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 240 | 28. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 210 | 38. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 240 | 78. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 510 | 88. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 330 | 96. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1100 | 110 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 610 | 110 | 1 |
| Pentachlorophenol | ND | | ug/kg | 190 | 52. | 1 |
| Phenol | ND | | ug/kg | 240 | 36. | 1 |
| 2-Methylphenol | ND | | ug/kg | 240 | 36. | 1 |
| 3-Methylphenol/4-Methylphenol | 52 | J | ug/kg | 340 | 37. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-10

Date Collected: 08/28/20 11:00

Client ID: 039_LSB-48_8.0-10.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 240 | 45. | 1 |
| Benzoic Acid | ND | | ug/kg | 760 | 240 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 240 | 72. | 1 |
| Carbazole | ND | | ug/kg | 240 | 23. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 35 | 11. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 67 | | 25-120 |
| Phenol-d6 | 69 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 2,4,6-Tribromophenol | 53 | | 10-136 |
| 4-Terphenyl-d14 | 42 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/01/20 21:25
 Analyst: SG
 Percent Solids: 81%

Extraction Method: ALPHA 23528
 Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 0.774 | | ug/kg | 0.565 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.565 | 0.052 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.565 | 0.044 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.122 | J | ug/kg | 0.565 | 0.059 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 0.117 | J | ug/kg | 0.565 | 0.051 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.091 | JF | ug/kg | 0.565 | 0.068 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.784 | | ug/kg | 0.565 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.565 | 0.203 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.565 | 0.154 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.565 | 0.085 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.602 | F | ug/kg | 0.565 | 0.147 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.565 | 0.076 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.565 | 0.324 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.565 | 0.228 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.565 | 0.053 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.565 | 0.173 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.565 | 0.111 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.565 | 0.095 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.565 | 0.079 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.565 | 0.231 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.565 | 0.061 | 1 |
| PFOA/PFOS, Total | 1.39 | | ug/kg | 0.565 | 0.047 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 119 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 126 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 99 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 106 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 124 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 112 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 529 | Q | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 116 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 119 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 108 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 586 | Q | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 164 | Q | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 106 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 51 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 170 | Q | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 93 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 86 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11 D
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 12:03
 Analyst: EK
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 810 | 100 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1000 | 120 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 610 | 110 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 910 | 140 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1000 | 100 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1000 | 270 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1000 | 200 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1000 | 170 | 5 |
| Fluoranthene | 700 | | ug/kg | 610 | 120 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1000 | 110 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1000 | 150 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1200 | 170 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1100 | 100 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1000 | 150 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 2900 | 920 | 5 |
| Hexachloroethane | ND | | ug/kg | 810 | 160 | 5 |
| Isophorone | ND | | ug/kg | 910 | 130 | 5 |
| Naphthalene | 860 | J | ug/kg | 1000 | 120 | 5 |
| Nitrobenzene | ND | | ug/kg | 910 | 150 | 5 |
| NDPA/DPA | ND | | ug/kg | 810 | 120 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1000 | 160 | 5 |
| Bis(2-ethylhexyl)phthalate | 25000 | | ug/kg | 1000 | 350 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1000 | 250 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1000 | 190 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1000 | 340 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-11 D
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 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 | 1000 | 94. | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1000 | 210 | 5 |
| Benzo(a)anthracene | 300 | J | ug/kg | 610 | 110 | 5 |
| Benzo(a)pyrene | ND | | ug/kg | 810 | 250 | 5 |
| Benzo(b)fluoranthene | 530 | J | ug/kg | 610 | 170 | 5 |
| Benzo(k)fluoranthene | ND | | ug/kg | 610 | 160 | 5 |
| Chrysene | 1600 | | ug/kg | 610 | 100 | 5 |
| Acenaphthylene | ND | | ug/kg | 810 | 160 | 5 |
| Anthracene | ND | | ug/kg | 610 | 200 | 5 |
| Benzo(ghi)perylene | 270 | J | ug/kg | 810 | 120 | 5 |
| Fluorene | 210 | J | ug/kg | 1000 | 98. | 5 |
| Phenanthrene | 2400 | | ug/kg | 610 | 120 | 5 |
| Dibenzo(a,h)anthracene | 120 | J | ug/kg | 610 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | 180 | J | ug/kg | 810 | 140 | 5 |
| Pyrene | 920 | | ug/kg | 610 | 100 | 5 |
| Biphenyl | 900 | J | ug/kg | 2300 | 230 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1000 | 180 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1000 | 420 | 5 |
| Dibenzofuran | 220 | J | ug/kg | 1000 | 96. | 5 |
| 2-Methylnaphthalene | 2500 | | ug/kg | 1200 | 120 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1000 | 100 | 5 |
| Acetophenone | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 610 | 190 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 910 | 160 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1000 | 330 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2200 | 380 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1400 | 410 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 4800 | 470 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2600 | 480 | 5 |
| Pentachlorophenol | ND | | ug/kg | 810 | 220 | 5 |
| Phenol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1000 | 160 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1400 | 160 | 5 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11 D
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 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 | 1000 | 190 | 5 |
| Benzoic Acid | ND | | ug/kg | 3300 | 1000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1000 | 310 | 5 |
| Carbazole | ND | | ug/kg | 1000 | 98. | 5 |
| 1,4-Dioxane | ND | | ug/kg | 150 | 46. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 45 | | 25-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 60 | | 23-120 |
| 2-Fluorobiphenyl | 53 | | 30-120 |
| 2,4,6-Tribromophenol | 53 | | 10-136 |
| 4-Terphenyl-d14 | 47 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/31/20 21:01
 Analyst: DW
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 250 | | 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 | 27. | 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 | 570 | | 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 | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 560 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 25. | 1 |
| Naphthalene | 370 | | 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 | 120 | J | 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 | 67. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 250 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 230 | | ug/kg | 160 | 48. | 1 |
| Benzo(b)fluoranthene | 220 | | ug/kg | 120 | 33. | 1 |
| Benzo(k)fluoranthene | 57 | J | ug/kg | 120 | 31. | 1 |
| Chrysene | 390 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 30. | 1 |
| Anthracene | 190 | | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | 130 | J | ug/kg | 160 | 23. | 1 |
| Fluorene | 300 | | ug/kg | 200 | 19. | 1 |
| Phenanthrene | 1200 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 38 | J | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 96 | J | ug/kg | 160 | 27. | 1 |
| Pyrene | 820 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 450 | 46. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 81. | 1 |
| Dibenzofuran | 54 | J | ug/kg | 200 | 18. | 1 |
| 2-Methylnaphthalene | 730 | | ug/kg | 240 | 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 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 65. | 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 | 71 | J | ug/kg | 280 | 31. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 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 | 640 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 60. | 1 |
| Carbazole | 85 | J | ug/kg | 200 | 19. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 29 | 9.0 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 69 | | 25-120 |
| Phenol-d6 | 70 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 59 | | 10-136 |
| 4-Terphenyl-d14 | 47 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
Client ID: 041_LSB-42_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 21:41
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.548 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.548 | 0.050 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.548 | 0.043 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.548 | 0.058 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.548 | 0.049 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.548 | 0.066 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.548 | 0.046 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.548 | 0.197 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.548 | 0.150 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.548 | 0.082 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.548 | 0.142 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.548 | 0.073 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.548 | 0.314 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.548 | 0.221 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.548 | 0.051 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.548 | 0.168 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.548 | 0.107 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.548 | 0.093 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.548 | 0.077 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.548 | 0.224 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.548 | 0.059 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.548 | 0.046 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 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) | 95 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 100 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 86 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 94 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 116 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 94 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 139 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 102 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 113 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 95 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 202 | Q | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 87 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 101 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 22 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 117 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 96 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13
Client ID: 042_LSB-50_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/02/20 14:03
Analyst: WR
Percent Solids: 54%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 18:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 240 | 31. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 300 | 34. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 180 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 270 | 41. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 300 | 30. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 300 | 54. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 300 | 52. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 300 | 53. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 300 | 80. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 300 | 60. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 300 | 52. | 1 |
| Fluoranthene | 40 | J | ug/kg | 180 | 35. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 300 | 32. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 300 | 46. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 360 | 52. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 330 | 30. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 300 | 44. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 860 | 270 | 1 |
| Hexachloroethane | ND | | ug/kg | 240 | 49. | 1 |
| Isophorone | ND | | ug/kg | 270 | 39. | 1 |
| Naphthalene | ND | | ug/kg | 300 | 37. | 1 |
| Nitrobenzene | ND | | ug/kg | 270 | 45. | 1 |
| NDPA/DPA | ND | | ug/kg | 240 | 34. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 300 | 47. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 300 | 100 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 300 | 76. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 300 | 57. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 300 | 100 | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-13
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 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 | 300 | 28. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 300 | 63. | 1 |
| Benzo(a)anthracene | 35 | J | ug/kg | 180 | 34. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 240 | 74. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 180 | 51. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 180 | 48. | 1 |
| Chrysene | ND | | ug/kg | 180 | 31. | 1 |
| Acenaphthylene | ND | | ug/kg | 240 | 47. | 1 |
| Anthracene | ND | | ug/kg | 180 | 59. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 240 | 36. | 1 |
| Fluorene | ND | | ug/kg | 300 | 29. | 1 |
| Phenanthrene | ND | | ug/kg | 180 | 37. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 180 | 35. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 240 | 42. | 1 |
| Pyrene | 48 | J | ug/kg | 180 | 30. | 1 |
| Biphenyl | ND | | ug/kg | 690 | 70. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 300 | 55. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 300 | 58. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 300 | 57. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 300 | 120 | 1 |
| Dibenzofuran | ND | | ug/kg | 300 | 28. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 360 | 36. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 300 | 32. | 1 |
| Acetophenone | ND | | ug/kg | 300 | 37. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 180 | 57. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 300 | 45. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 300 | 36. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 270 | 48. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 300 | 100 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 650 | 110 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 420 | 120 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1400 | 140 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 780 | 140 | 1 |
| Pentachlorophenol | ND | | ug/kg | 240 | 66. | 1 |
| Phenol | ND | | ug/kg | 300 | 46. | 1 |
| 2-Methylphenol | ND | | ug/kg | 300 | 47. | 1 |
| 3-Methylphenol/4-Methylphenol | 120 | J | ug/kg | 430 | 47. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13
 Client ID: 042_LSB-50_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
 Date Received: 08/28/20
 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 | 300 | 58. | 1 |
| Benzoic Acid | ND | | ug/kg | 980 | 300 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 300 | 92. | 1 |
| Carbazole | ND | | ug/kg | 300 | 29. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 45 | 14. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 89 | | 25-120 |
| Phenol-d6 | 94 | | 10-120 |
| Nitrobenzene-d5 | 120 | | 23-120 |
| 2-Fluorobiphenyl | 82 | | 30-120 |
| 2,4,6-Tribromophenol | 77 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-14 D
 Client ID: 043_LSB-53_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 14:26
 Analyst: WR
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 18:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 450 | J | ug/kg | 830 | 110 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1000 | 120 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 620 | 120 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 930 | 140 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1000 | 100 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1000 | 270 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1000 | 210 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1000 | 180 | 5 |
| Fluoranthene | 390 | J | ug/kg | 620 | 120 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1000 | 110 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1000 | 160 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1200 | 180 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1100 | 100 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1000 | 150 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3000 | 940 | 5 |
| Hexachloroethane | ND | | ug/kg | 830 | 170 | 5 |
| Isophorone | ND | | ug/kg | 930 | 130 | 5 |
| Naphthalene | ND | | ug/kg | 1000 | 120 | 5 |
| Nitrobenzene | ND | | ug/kg | 930 | 150 | 5 |
| NDPA/DPA | ND | | ug/kg | 830 | 120 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1000 | 160 | 5 |
| Bis(2-ethylhexyl)phthalate | 2600 | | ug/kg | 1000 | 360 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1000 | 260 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1000 | 200 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1000 | 350 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-14 D
 Client ID: 043_LSB-53_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
 Date Received: 08/28/20
 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 | 1000 | 96. | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1000 | 220 | 5 |
| Benzo(a)anthracene | 680 | | ug/kg | 620 | 120 | 5 |
| Benzo(a)pyrene | 450 | J | ug/kg | 830 | 250 | 5 |
| Benzo(b)fluoranthene | 320 | J | ug/kg | 620 | 170 | 5 |
| Benzo(k)fluoranthene | ND | | ug/kg | 620 | 160 | 5 |
| Chrysene | 1300 | | ug/kg | 620 | 110 | 5 |
| Acenaphthylene | ND | | ug/kg | 830 | 160 | 5 |
| Anthracene | ND | | ug/kg | 620 | 200 | 5 |
| Benzo(ghi)perylene | 300 | J | ug/kg | 830 | 120 | 5 |
| Fluorene | 830 | J | ug/kg | 1000 | 100 | 5 |
| Phenanthrene | ND | | ug/kg | 620 | 120 | 5 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 620 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 830 | 140 | 5 |
| Pyrene | 1600 | | ug/kg | 620 | 100 | 5 |
| Biphenyl | ND | | ug/kg | 2400 | 240 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1000 | 200 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1000 | 430 | 5 |
| Dibenzofuran | ND | | ug/kg | 1000 | 98. | 5 |
| 2-Methylnaphthalene | ND | | ug/kg | 1200 | 120 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1000 | 110 | 5 |
| Acetophenone | ND | | ug/kg | 1000 | 130 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 620 | 200 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 930 | 170 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1000 | 340 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2200 | 390 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1400 | 420 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 5000 | 480 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2700 | 500 | 5 |
| Pentachlorophenol | ND | | ug/kg | 830 | 230 | 5 |
| Phenol | ND | | ug/kg | 1000 | 160 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1000 | 160 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1500 | 160 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-14 D

Date Collected: 08/28/20 11:45

Client ID: 043_LSB-53_9.5-11.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 1000 | 200 | 5 |
| Benzoic Acid | ND | | ug/kg | 3300 | 1000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1000 | 320 | 5 |
| Carbazole | ND | | ug/kg | 1000 | 100 | 5 |
| 1,4-Dioxane | ND | | ug/kg | 150 | 48. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 66 | | 25-120 |
| Phenol-d6 | 75 | | 10-120 |
| Nitrobenzene-d5 | 105 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 2,4,6-Tribromophenol | 48 | | 10-136 |
| 4-Terphenyl-d14 | 46 | | 18-120 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-15 D
 Client ID: 044_LSB-42_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 15:12
 Analyst: WR
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 18:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 1300 | | ug/kg | 800 | 100 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1000 | 110 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 600 | 110 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 900 | 140 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1000 | 99. | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1000 | 270 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1000 | 200 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1000 | 170 | 5 |
| Fluoranthene | 880 | | ug/kg | 600 | 110 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1000 | 110 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1000 | 150 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1200 | 170 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1100 | 100 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1000 | 150 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 2900 | 910 | 5 |
| Hexachloroethane | ND | | ug/kg | 800 | 160 | 5 |
| Isophorone | ND | | ug/kg | 900 | 130 | 5 |
| Naphthalene | ND | | ug/kg | 1000 | 120 | 5 |
| Nitrobenzene | ND | | ug/kg | 900 | 150 | 5 |
| NDPA/DPA | ND | | ug/kg | 800 | 110 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1000 | 150 | 5 |
| Bis(2-ethylhexyl)phthalate | 1700 | | ug/kg | 1000 | 350 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1000 | 250 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1000 | 190 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1000 | 340 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-15 D
 Client ID: 044_LSB-42_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
 Date Received: 08/28/20
 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 | 1000 | 93. | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1000 | 210 | 5 |
| Benzo(a)anthracene | 1100 | | ug/kg | 600 | 110 | 5 |
| Benzo(a)pyrene | 600 | J | ug/kg | 800 | 240 | 5 |
| Benzo(b)fluoranthene | 530 | J | ug/kg | 600 | 170 | 5 |
| Benzo(k)fluoranthene | ND | | ug/kg | 600 | 160 | 5 |
| Chrysene | 1800 | | ug/kg | 600 | 100 | 5 |
| Acenaphthylene | ND | | ug/kg | 800 | 150 | 5 |
| Anthracene | 980 | | ug/kg | 600 | 200 | 5 |
| Benzo(ghi)perylene | 410 | J | ug/kg | 800 | 120 | 5 |
| Fluorene | 2700 | | ug/kg | 1000 | 97. | 5 |
| Phenanthrene | 4400 | | ug/kg | 600 | 120 | 5 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 600 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | 190 | J | ug/kg | 800 | 140 | 5 |
| Pyrene | 2700 | | ug/kg | 600 | 99. | 5 |
| Biphenyl | ND | | ug/kg | 2300 | 230 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1000 | 180 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1000 | 410 | 5 |
| Dibenzofuran | ND | | ug/kg | 1000 | 95. | 5 |
| 2-Methylnaphthalene | 6500 | | ug/kg | 1200 | 120 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1000 | 100 | 5 |
| Acetophenone | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 600 | 190 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 900 | 160 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1000 | 330 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2200 | 380 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1400 | 410 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 4800 | 470 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2600 | 480 | 5 |
| Pentachlorophenol | ND | | ug/kg | 800 | 220 | 5 |
| Phenol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1000 | 160 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1400 | 160 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-15 D

Date Collected: 08/28/20 11:25

Client ID: 044_LSB-42_7.5-9.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 1000 | 190 | 5 |
| Benzoic Acid | ND | | ug/kg | 3200 | 1000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1000 | 310 | 5 |
| Carbazole | ND | | ug/kg | 1000 | 97. | 5 |
| 1,4-Dioxane | ND | | ug/kg | 150 | 46. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 29 | | 25-120 |
| Phenol-d6 | 33 | | 10-120 |
| Nitrobenzene-d5 | 39 | | 23-120 |
| 2-Fluorobiphenyl | 33 | | 30-120 |
| 2,4,6-Tribromophenol | 22 | | 10-136 |
| 4-Terphenyl-d14 | 33 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 08/31/20 16:07
 Analyst: DW
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 03:41

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 65. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 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 | 22. | 1 |
| Benzo(a)pyrene | 62 | J | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 52 | J | 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 | 30. | 1 |
| Anthracene | ND | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 44 | J | 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 | 50 | J | ug/kg | 150 | 27. | 1 |
| Pyrene | ND | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 89. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 30. | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-16
 Client ID: 045_LSB-54_9.5-11.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
 Date Received: 08/28/20
 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 | ND | | ug/kg | 190 | 18. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 29 | 8.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 73 | | 25-120 |
| Phenol-d6 | 74 | | 10-120 |
| Nitrobenzene-d5 | 83 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 30-120 |
| 2,4,6-Tribromophenol | 58 | | 10-136 |
| 4-Terphenyl-d14 | 41 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 14:48
 Analyst: CB
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 21:12

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 36 | J | ug/kg | 170 | 22. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 210 | 24. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 210 | 21. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 210 | 37. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 210 | 36. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 210 | 36. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 210 | 55. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 210 | 42. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 210 | 36. | 1 |
| Fluoranthene | 1100 | | ug/kg | 120 | 24. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 210 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 250 | 35. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 21. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 210 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 590 | 190 | 1 |
| Hexachloroethane | ND | | ug/kg | 170 | 34. | 1 |
| Isophorone | ND | | ug/kg | 190 | 27. | 1 |
| Naphthalene | 320 | | ug/kg | 210 | 25. | 1 |
| Nitrobenzene | ND | | ug/kg | 190 | 31. | 1 |
| NDPA/DPA | ND | | ug/kg | 170 | 24. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 210 | 72. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 210 | 52. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 210 | 39. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 210 | 71. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 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 | 210 | 19. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 210 | 44. | 1 |
| Benzo(a)anthracene | 860 | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | 1300 | | ug/kg | 170 | 51. | 1 |
| Benzo(b)fluoranthene | 1900 | | ug/kg | 120 | 35. | 1 |
| Benzo(k)fluoranthene | 520 | | ug/kg | 120 | 33. | 1 |
| Chrysene | 920 | | ug/kg | 120 | 22. | 1 |
| Acenaphthylene | 790 | | ug/kg | 170 | 32. | 1 |
| Anthracene | 530 | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | 1600 | | ug/kg | 170 | 24. | 1 |
| Fluorene | 76 | J | ug/kg | 210 | 20. | 1 |
| Phenanthrene | 530 | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | 320 | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 1400 | | ug/kg | 170 | 29. | 1 |
| Pyrene | 1000 | | ug/kg | 120 | 21. | 1 |
| Biphenyl | 63 | J | ug/kg | 470 | 48. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 210 | 38. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 210 | 40. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 210 | 39. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 210 | 86. | 1 |
| Dibenzofuran | 140 | J | ug/kg | 210 | 20. | 1 |
| 2-Methylnaphthalene | 210 | J | ug/kg | 250 | 25. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 210 | 22. | 1 |
| Acetophenone | ND | | ug/kg | 210 | 26. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 39. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 210 | 31. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 210 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 190 | 33. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 210 | 68. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 450 | 78. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 290 | 85. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1000 | 97. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 540 | 100 | 1 |
| Pentachlorophenol | ND | | ug/kg | 170 | 46. | 1 |
| Phenol | ND | | ug/kg | 210 | 31. | 1 |
| 2-Methylphenol | ND | | ug/kg | 210 | 32. | 1 |
| 3-Methylphenol/4-Methylphenol | 36 | J | ug/kg | 300 | 32. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 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 | 210 | 40. | 1 |
| Benzoic Acid | ND | | ug/kg | 670 | 210 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 210 | 64. | 1 |
| Carbazole | 170 | J | ug/kg | 210 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 31 | 9.6 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 62 | | 25-120 |
| Phenol-d6 | 64 | | 10-120 |
| Nitrobenzene-d5 | 89 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 30-120 |
| 2,4,6-Tribromophenol | 48 | | 10-136 |
| 4-Terphenyl-d14 | 56 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/06/20 21:41
 Analyst: SG
 Percent Solids: 80%

Extraction Method: ALPHA 23528
 Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.557 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.557 | 0.051 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.557 | 0.044 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.083 | J | ug/kg | 0.557 | 0.059 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.557 | 0.050 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.557 | 0.067 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.191 | J | ug/kg | 0.557 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.557 | 0.200 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.557 | 0.152 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.557 | 0.084 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.456 | J | ug/kg | 0.557 | 0.145 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.557 | 0.075 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.557 | 0.320 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.557 | 0.225 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.557 | 0.052 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.557 | 0.170 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.557 | 0.109 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.557 | 0.094 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.557 | 0.078 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.557 | 0.228 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.557 | 0.060 | 1 |
| PFOA/PFOS, Total | 0.647 | J | ug/kg | 0.557 | 0.047 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 103 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 97 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 78 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 87 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 95 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 99 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 178 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 107 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 105 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 91 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 278 | Q | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 103 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 92 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 51 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 119 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 90 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 75 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 03:15
 Analyst: JRW
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 32 | J | ug/kg | 200 | 26. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 250 | 28. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 150 | 28. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 220 | 33. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 250 | 24. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 250 | 44. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 250 | 42. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 250 | 43. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 250 | 66. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 250 | 49. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 250 | 42. | 1 |
| Fluoranthene | 610 | | ug/kg | 150 | 28. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 250 | 26. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 250 | 38. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 300 | 42. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 270 | 25. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 250 | 36. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 710 | 220 | 1 |
| Hexachloroethane | ND | | ug/kg | 200 | 40. | 1 |
| Isophorone | ND | | ug/kg | 220 | 32. | 1 |
| Naphthalene | 87 | J | ug/kg | 250 | 30. | 1 |
| Nitrobenzene | ND | | ug/kg | 220 | 36. | 1 |
| NDPA/DPA | ND | | ug/kg | 200 | 28. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 250 | 38. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 250 | 85. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 250 | 62. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 250 | 47. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 250 | 84. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-19

Date Collected: 08/31/20 08:10

Client ID: 048_LSB-41_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 250 | 23. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 250 | 52. | 1 |
| Benzo(a)anthracene | 520 | | ug/kg | 150 | 28. | 1 |
| Benzo(a)pyrene | 570 | | ug/kg | 200 | 60. | 1 |
| Benzo(b)fluoranthene | 660 | | ug/kg | 150 | 42. | 1 |
| Benzo(k)fluoranthene | 220 | | ug/kg | 150 | 39. | 1 |
| Chrysene | 450 | | ug/kg | 150 | 26. | 1 |
| Acenaphthylene | 85 | J | ug/kg | 200 | 38. | 1 |
| Anthracene | 110 | J | ug/kg | 150 | 48. | 1 |
| Benzo(ghi)perylene | 340 | | ug/kg | 200 | 29. | 1 |
| Fluorene | 52 | J | ug/kg | 250 | 24. | 1 |
| Phenanthrene | 300 | | ug/kg | 150 | 30. | 1 |
| Dibenzo(a,h)anthracene | 82 | J | ug/kg | 150 | 28. | 1 |
| Indeno(1,2,3-cd)pyrene | 340 | | ug/kg | 200 | 34. | 1 |
| Pyrene | 650 | | ug/kg | 150 | 24. | 1 |
| Biphenyl | ND | | ug/kg | 560 | 57. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 250 | 45. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 250 | 48. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 250 | 46. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 250 | 100 | 1 |
| Dibenzofuran | 27 | J | ug/kg | 250 | 23. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 300 | 30. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 250 | 26. | 1 |
| Acetophenone | ND | | ug/kg | 250 | 30. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 150 | 47. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 250 | 37. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 250 | 29. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 220 | 40. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 250 | 81. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 530 | 93. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 340 | 100 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1200 | 120 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 640 | 120 | 1 |
| Pentachlorophenol | ND | | ug/kg | 200 | 54. | 1 |
| Phenol | ND | | ug/kg | 250 | 37. | 1 |
| 2-Methylphenol | ND | | ug/kg | 250 | 38. | 1 |
| 3-Methylphenol/4-Methylphenol | 120 | J | ug/kg | 360 | 39. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 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 | 250 | 47. | 1 |
| Benzoic Acid | ND | | ug/kg | 800 | 250 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 250 | 76. | 1 |
| Carbazole | ND | | ug/kg | 250 | 24. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 37 | 11. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 62 | | 25-120 |
| Phenol-d6 | 62 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 30-120 |
| 2,4,6-Tribromophenol | 68 | | 10-136 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/06/20 22:31
 Analyst: SG
 Percent Solids: 66%

Extraction Method: ALPHA 23528
 Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.665 | 0.030 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.665 | 0.061 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.665 | 0.052 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.665 | 0.070 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.665 | 0.060 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.665 | 0.081 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.665 | 0.056 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.665 | 0.239 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.665 | 0.182 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.665 | 0.100 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.665 | 0.173 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.665 | 0.089 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.665 | 0.382 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.665 | 0.268 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.665 | 0.062 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.665 | 0.204 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.665 | 0.130 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.665 | 0.112 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.665 | 0.093 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.665 | 0.272 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.665 | 0.072 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.665 | 0.056 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 94 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 88 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 102 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 94 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 67 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 99 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 105 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 89 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 83 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 73 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 101 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 11 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 73 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 103 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 91 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20 D
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 15:35
 Analyst: JG
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 18:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 940 | | ug/kg | 910 | 120 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1100 | 130 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 680 | 130 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1100 | 110 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1100 | 200 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1100 | 200 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1100 | 200 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1100 | 300 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1100 | 230 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1100 | 190 | 5 |
| Fluoranthene | 490 | J | ug/kg | 680 | 130 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1100 | 120 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1100 | 170 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1400 | 190 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1200 | 110 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1100 | 170 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 3200 | 1000 | 5 |
| Hexachloroethane | ND | | ug/kg | 910 | 180 | 5 |
| Isophorone | ND | | ug/kg | 1000 | 150 | 5 |
| Naphthalene | 210 | J | ug/kg | 1100 | 140 | 5 |
| Nitrobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| NDPA/DPA | ND | | ug/kg | 910 | 130 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1100 | 180 | 5 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 1100 | 390 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1100 | 290 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1100 | 220 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1100 | 380 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-20 D
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 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 | 1100 | 100 | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1100 | 240 | 5 |
| Benzo(a)anthracene | 1300 | | ug/kg | 680 | 130 | 5 |
| Benzo(a)pyrene | 700 | J | ug/kg | 910 | 280 | 5 |
| Benzo(b)fluoranthene | 460 | J | ug/kg | 680 | 190 | 5 |
| Benzo(k)fluoranthene | ND | | ug/kg | 680 | 180 | 5 |
| Chrysene | 1700 | | ug/kg | 680 | 120 | 5 |
| Acenaphthylene | ND | | ug/kg | 910 | 180 | 5 |
| Anthracene | 820 | | ug/kg | 680 | 220 | 5 |
| Benzo(ghi)perylene | 430 | J | ug/kg | 910 | 130 | 5 |
| Fluorene | 1500 | | ug/kg | 1100 | 110 | 5 |
| Phenanthrene | 500 | J | ug/kg | 680 | 140 | 5 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 680 | 130 | 5 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 910 | 160 | 5 |
| Pyrene | 2300 | | ug/kg | 680 | 110 | 5 |
| Biphenyl | ND | | ug/kg | 2600 | 260 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1100 | 210 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1100 | 220 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1100 | 210 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1100 | 470 | 5 |
| Dibenzofuran | ND | | ug/kg | 1100 | 110 | 5 |
| 2-Methylnaphthalene | ND | | ug/kg | 1400 | 140 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1100 | 120 | 5 |
| Acetophenone | ND | | ug/kg | 1100 | 140 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 680 | 220 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1100 | 170 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1100 | 130 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 1000 | 180 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1100 | 370 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2400 | 430 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1600 | 460 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 5400 | 530 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 3000 | 540 | 5 |
| Pentachlorophenol | ND | | ug/kg | 910 | 250 | 5 |
| Phenol | ND | | ug/kg | 1100 | 170 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1100 | 180 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1600 | 180 | 5 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20 D
 Client ID: 049_LSB-47_8.5-10.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
 Date Received: 08/31/20
 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 | 1100 | 220 | 5 |
| Benzoic Acid | ND | | ug/kg | 3700 | 1100 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1100 | 350 | 5 |
| Carbazole | ND | | ug/kg | 1100 | 110 | 5 |
| 1,4-Dioxane | ND | | ug/kg | 170 | 52. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 46 | | 25-120 |
| Phenol-d6 | 49 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 23-120 |
| 2-Fluorobiphenyl | 44 | | 30-120 |
| 2,4,6-Tribromophenol | 34 | | 10-136 |
| 4-Terphenyl-d14 | 35 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 05:29
 Analyst: JRW
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 33 | J | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | 1200 | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | 72 | 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 | 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 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 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 | 640 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 680 | | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 820 | | ug/kg | 120 | 32. | 1 |
| Benzo(k)fluoranthene | 200 | | ug/kg | 120 | 31. | 1 |
| Chrysene | 570 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | 30 | J | ug/kg | 150 | 30. | 1 |
| Anthracene | 140 | | ug/kg | 120 | 37. | 1 |
| Benzo(ghi)perylene | 480 | | ug/kg | 150 | 22. | 1 |
| Fluorene | 23 | J | ug/kg | 190 | 19. | 1 |
| Phenanthrene | 650 | | ug/kg | 120 | 23. | 1 |
| Dibenzo(a,h)anthracene | 86 | J | ug/kg | 120 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 460 | | ug/kg | 150 | 27. | 1 |
| Pyrene | 1100 | | ug/kg | 120 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | 25 | J | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 89. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| 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 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21

Date Collected: 08/31/20 11:15

Client ID: 050_LSB-37_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 59. | 1 |
| Carbazole | 32 | J | ug/kg | 190 | 19. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 29 | 8.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 49 | | 25-120 |
| Phenol-d6 | 50 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 30-120 |
| 2,4,6-Tribromophenol | 58 | | 10-136 |
| 4-Terphenyl-d14 | 50 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/06/20 22:48
 Analyst: SG
 Percent Solids: 86%

Extraction Method: ALPHA 23528
 Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.550 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 0.125 | J | ug/kg | 0.550 | 0.051 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.550 | 0.043 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.098 | J | ug/kg | 0.550 | 0.058 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.550 | 0.050 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.550 | 0.067 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.242 | J | ug/kg | 0.550 | 0.046 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.550 | 0.197 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.550 | 0.150 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.550 | 0.083 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.251 | J | ug/kg | 0.550 | 0.143 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.550 | 0.074 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.550 | 0.316 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.550 | 0.222 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.550 | 0.051 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.550 | 0.168 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.550 | 0.108 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.550 | 0.093 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.550 | 0.077 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.550 | 0.225 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.550 | 0.059 | 1 |
| PFOA/PFOS, Total | 0.493 | J | ug/kg | 0.550 | 0.046 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 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) | 89 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 96 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 98 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 91 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 94 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 87 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 95 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 58 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 96 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 100 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 90 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 71 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 37 | Q | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 92 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 10 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 34 | Q | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 95 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 82 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 RE
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/09/20 19:27
 Analyst: JW
 Percent Solids: 84%

Extraction Method: ALPHA 23528
 Extraction Date: 09/08/20 15:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.566 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.566 | 0.052 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.566 | 0.044 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.060 | J | ug/kg | 0.566 | 0.059 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.566 | 0.051 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.566 | 0.069 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.057 | J | ug/kg | 0.566 | 0.047 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.566 | 0.203 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.566 | 0.154 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.566 | 0.085 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.225 | J | ug/kg | 0.566 | 0.147 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.566 | 0.076 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.566 | 0.325 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.566 | 0.228 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.566 | 0.053 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.566 | 0.173 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.566 | 0.111 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.566 | 0.096 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.566 | 0.079 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.566 | 0.232 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.566 | 0.061 | 1 |
| PFOA/PFOS, Total | 0.282 | J | ug/kg | 0.566 | 0.047 | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 RE
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 112 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 111 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 99 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 108 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 103 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 117 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 104 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 110 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 100 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 118 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 80 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 100 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 41 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 97 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 93 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 92 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 D2
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/08/20 12:36
 Analyst: SZ
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Fluoranthene | 570000 | | ug/kg | 23000 | 4500 | 200 |
| Phenanthrene | 810000 | | ug/kg | 23000 | 4700 | 200 |
| Pyrene | 500000 | | ug/kg | 23000 | 3900 | 200 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 D
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/08/20 11:29
 Analyst: SZ
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 100000 | | ug/kg | 7800 | 1000 | 50 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9700 | 1100 | 50 |
| Hexachlorobenzene | ND | | ug/kg | 5800 | 1100 | 50 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 8700 | 1300 | 50 |
| 2-Chloronaphthalene | ND | | ug/kg | 9700 | 960 | 50 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9700 | 1700 | 50 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9700 | 1700 | 50 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9700 | 1700 | 50 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 9700 | 2600 | 50 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 9700 | 1900 | 50 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 9700 | 1700 | 50 |
| Fluoranthene | 470000 | E | ug/kg | 5800 | 1100 | 50 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 9700 | 1000 | 50 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 9700 | 1500 | 50 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 12000 | 1600 | 50 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 10000 | 970 | 50 |
| Hexachlorobutadiene | ND | | ug/kg | 9700 | 1400 | 50 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 28000 | 8800 | 50 |
| Hexachloroethane | ND | | ug/kg | 7800 | 1600 | 50 |
| Isophorone | ND | | ug/kg | 8700 | 1300 | 50 |
| Naphthalene | 200000 | | ug/kg | 9700 | 1200 | 50 |
| Nitrobenzene | ND | | ug/kg | 8700 | 1400 | 50 |
| NDPA/DPA | ND | | ug/kg | 7800 | 1100 | 50 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 9700 | 1500 | 50 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 9700 | 3400 | 50 |
| Butyl benzyl phthalate | ND | | ug/kg | 9700 | 2400 | 50 |
| Di-n-butylphthalate | ND | | ug/kg | 9700 | 1800 | 50 |
| Di-n-octylphthalate | ND | | ug/kg | 9700 | 3300 | 50 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-22 D
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 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 | 9700 | 900 | 50 |
| Dimethyl phthalate | ND | | ug/kg | 9700 | 2000 | 50 |
| Benzo(a)anthracene | 200000 | | ug/kg | 5800 | 1100 | 50 |
| Benzo(a)pyrene | 170000 | | ug/kg | 7800 | 2400 | 50 |
| Benzo(b)fluoranthene | 180000 | | ug/kg | 5800 | 1600 | 50 |
| Benzo(k)fluoranthene | 64000 | | ug/kg | 5800 | 1600 | 50 |
| Chrysene | 170000 | | ug/kg | 5800 | 1000 | 50 |
| Acenaphthylene | 44000 | | ug/kg | 7800 | 1500 | 50 |
| Anthracene | 220000 | | ug/kg | 5800 | 1900 | 50 |
| Benzo(ghi)perylene | 79000 | | ug/kg | 7800 | 1100 | 50 |
| Fluorene | 140000 | | ug/kg | 9700 | 940 | 50 |
| Phenanthrene | 620000 | E | ug/kg | 5800 | 1200 | 50 |
| Dibenzo(a,h)anthracene | 22000 | | ug/kg | 5800 | 1100 | 50 |
| Indeno(1,2,3-cd)pyrene | 86000 | | ug/kg | 7800 | 1400 | 50 |
| Pyrene | 400000 | E | ug/kg | 5800 | 960 | 50 |
| Biphenyl | 23000 | | ug/kg | 22000 | 2200 | 50 |
| 4-Chloroaniline | ND | | ug/kg | 9700 | 1800 | 50 |
| 2-Nitroaniline | ND | | ug/kg | 9700 | 1900 | 50 |
| 3-Nitroaniline | ND | | ug/kg | 9700 | 1800 | 50 |
| 4-Nitroaniline | ND | | ug/kg | 9700 | 4000 | 50 |
| Dibenzofuran | 110000 | | ug/kg | 9700 | 920 | 50 |
| 2-Methylnaphthalene | 75000 | | ug/kg | 12000 | 1200 | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 9700 | 1000 | 50 |
| Acetophenone | ND | | ug/kg | 9700 | 1200 | 50 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 5800 | 1800 | 50 |
| p-Chloro-m-cresol | ND | | ug/kg | 9700 | 1400 | 50 |
| 2-Chlorophenol | ND | | ug/kg | 9700 | 1100 | 50 |
| 2,4-Dichlorophenol | ND | | ug/kg | 8700 | 1600 | 50 |
| 2,4-Dimethylphenol | ND | | ug/kg | 9700 | 3200 | 50 |
| 2-Nitrophenol | ND | | ug/kg | 21000 | 3600 | 50 |
| 4-Nitrophenol | ND | | ug/kg | 14000 | 4000 | 50 |
| 2,4-Dinitrophenol | ND | | ug/kg | 47000 | 4500 | 50 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 25000 | 4700 | 50 |
| Pentachlorophenol | ND | | ug/kg | 7800 | 2100 | 50 |
| Phenol | 2000 | J | ug/kg | 9700 | 1500 | 50 |
| 2-Methylphenol | ND | | ug/kg | 9700 | 1500 | 50 |
| 3-Methylphenol/4-Methylphenol | 3600 | J | ug/kg | 14000 | 1500 | 50 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 D
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 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 | 9700 | 1900 | 50 |
| Benzoic Acid | ND | | ug/kg | 31000 | 9800 | 50 |
| Benzyl Alcohol | ND | | ug/kg | 9700 | 3000 | 50 |
| Carbazole | 81000 | | ug/kg | 9700 | 940 | 50 |
| 1,4-Dioxane | ND | | ug/kg | 1400 | 450 | 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 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/05/20 01:13
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 09/04/20 16:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 61 | | 21-120 |
| Phenol-d6 | 48 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 15-120 |
| 2,4,6-Tribromophenol | 72 | | 10-120 |
| 4-Terphenyl-d14 | 78 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/04/20 16:43
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/03/20 16:13

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 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 | 40 | | 21-120 |
| Phenol-d6 | 44 | | 10-120 |
| Nitrobenzene-d5 | 55 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 15-120 |
| 2,4,6-Tribromophenol | 77 | | 10-120 |
| 4-Terphenyl-d14 | 152 | Q | 41-149 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/04/20 23:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/03/20 13:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 147 | 33.2 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 63 | | 15-110 | |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/20 17:31
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/08/20 17:45

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.79 | 0.366 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.79 | 0.355 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.79 | 0.213 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.79 | 0.294 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.79 | 0.202 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.79 | 0.337 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.79 | 0.212 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.79 | 1.19 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.79 | 0.617 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.79 | 0.280 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.79 | 0.452 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.79 | 0.273 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.79 | 1.09 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.79 | 0.581 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.79 | 0.233 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.79 | 0.879 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.79 | 0.520 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.79 | 0.721 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.79 | 0.334 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.79 | 0.294 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.79 | 0.222 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.79 | 0.212 | 1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 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 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 127 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 112 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 99 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 105 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 98 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 108 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 103 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 104 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 97 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 111 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 82 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 94 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 45 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 88 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 88 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 33-143 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 06:13
 Analyst: JRW
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/kg | 170 | 22. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 210 | 24. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 24. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 190 | 29. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 210 | 21. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 210 | 38. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 210 | 36. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 210 | 37. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 210 | 56. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 210 | 42. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 210 | 36. | 1 |
| Fluoranthene | 510 | | ug/kg | 130 | 24. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 210 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 250 | 36. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 230 | 21. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 210 | 31. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 600 | 190 | 1 |
| Hexachloroethane | ND | | ug/kg | 170 | 34. | 1 |
| Isophorone | ND | | ug/kg | 190 | 27. | 1 |
| Naphthalene | 170 | J | ug/kg | 210 | 26. | 1 |
| Nitrobenzene | ND | | ug/kg | 190 | 31. | 1 |
| NDPA/DPA | ND | | ug/kg | 170 | 24. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 210 | 73. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 210 | 53. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 210 | 40. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 210 | 72. | 1 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 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 | 210 | 20. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 210 | 44. | 1 |
| Benzo(a)anthracene | 270 | | ug/kg | 130 | 24. | 1 |
| Benzo(a)pyrene | 300 | | ug/kg | 170 | 51. | 1 |
| Benzo(b)fluoranthene | 360 | | ug/kg | 130 | 36. | 1 |
| Benzo(k)fluoranthene | 130 | | ug/kg | 130 | 34. | 1 |
| Chrysene | 280 | | ug/kg | 130 | 22. | 1 |
| Acenaphthylene | 44 | J | ug/kg | 170 | 32. | 1 |
| Anthracene | 56 | J | ug/kg | 130 | 41. | 1 |
| Benzo(ghi)perylene | 240 | | ug/kg | 170 | 25. | 1 |
| Fluorene | 29 | J | ug/kg | 210 | 20. | 1 |
| Phenanthrene | 370 | | ug/kg | 130 | 26. | 1 |
| Dibenzo(a,h)anthracene | 38 | J | ug/kg | 130 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 200 | | ug/kg | 170 | 29. | 1 |
| Pyrene | 480 | | ug/kg | 130 | 21. | 1 |
| Biphenyl | ND | | ug/kg | 480 | 49. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 210 | 38. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 210 | 41. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 210 | 40. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 210 | 87. | 1 |
| Dibenzofuran | 36 | J | ug/kg | 210 | 20. | 1 |
| 2-Methylnaphthalene | 25 | J | ug/kg | 250 | 25. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 210 | 22. | 1 |
| Acetophenone | ND | | ug/kg | 210 | 26. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 40. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 210 | 31. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 210 | 25. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 190 | 34. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 210 | 70. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 460 | 79. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 300 | 86. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1000 | 98. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 550 | 100 | 1 |
| Pentachlorophenol | ND | | ug/kg | 170 | 46. | 1 |
| Phenol | ND | | ug/kg | 210 | 32. | 1 |
| 2-Methylphenol | ND | | ug/kg | 210 | 33. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 300 | 33. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-24

Date Collected: 08/31/20 11:45

Client ID: 053_LSB-40_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 210 | 40. | 1 |
| Benzoic Acid | ND | | ug/kg | 680 | 210 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 210 | 64. | 1 |
| Carbazole | 31 | J | ug/kg | 210 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 32 | 9.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 51 | | 25-120 |
| Phenol-d6 | 52 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 64 | | 10-136 |
| 4-Terphenyl-d14 | 52 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
Client ID: 053_LSB-40_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/20 23:21
Analyst: SG
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.606 | 0.028 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.606 | 0.056 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.606 | 0.047 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.606 | 0.064 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.606 | 0.055 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.606 | 0.073 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.166 | J | ug/kg | 0.606 | 0.051 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.606 | 0.218 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.606 | 0.166 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.606 | 0.091 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.611 | | ug/kg | 0.606 | 0.158 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.606 | 0.081 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.606 | 0.348 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.606 | 0.244 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.606 | 0.057 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.606 | 0.186 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.606 | 0.119 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.606 | 0.102 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.606 | 0.085 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.606 | 0.248 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.606 | 0.066 | 1 |
| PFOA/PFOS, Total | 0.777 | J | ug/kg | 0.606 | 0.051 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 103 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 103 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 94 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 94 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 106 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 98 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 101 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 103 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 99 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 80 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 99 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 12 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 62 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 102 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 06:36
 Analyst: JRW
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 4500 | | ug/kg | 170 | 22. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 210 | 24. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 24. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 210 | 21. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 210 | 38. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 210 | 36. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 210 | 37. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 210 | 56. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 210 | 42. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 210 | 36. | 1 |
| Fluoranthene | 17000 | E | ug/kg | 130 | 24. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 210 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 250 | 36. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 230 | 21. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 210 | 31. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 600 | 190 | 1 |
| Hexachloroethane | ND | | ug/kg | 170 | 34. | 1 |
| Isophorone | ND | | ug/kg | 190 | 27. | 1 |
| Naphthalene | 2800 | | ug/kg | 210 | 26. | 1 |
| Nitrobenzene | ND | | ug/kg | 190 | 31. | 1 |
| NDPA/DPA | ND | | ug/kg | 170 | 24. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 210 | 32. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 210 | 73. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 210 | 53. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 210 | 40. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 210 | 71. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 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 | 210 | 19. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 210 | 44. | 1 |
| Benzo(a)anthracene | 8300 | | ug/kg | 130 | 24. | 1 |
| Benzo(a)pyrene | 7200 | | ug/kg | 170 | 51. | 1 |
| Benzo(b)fluoranthene | 8100 | | ug/kg | 130 | 35. | 1 |
| Benzo(k)fluoranthene | 2000 | | ug/kg | 130 | 34. | 1 |
| Chrysene | 6700 | | ug/kg | 130 | 22. | 1 |
| Acenaphthylene | 160 | J | ug/kg | 170 | 32. | 1 |
| Anthracene | 8000 | | ug/kg | 130 | 41. | 1 |
| Benzo(ghi)perylene | 4700 | | ug/kg | 170 | 25. | 1 |
| Fluorene | 4300 | | ug/kg | 210 | 20. | 1 |
| Phenanthrene | 21000 | E | ug/kg | 130 | 26. | 1 |
| Dibenzo(a,h)anthracene | 920 | | ug/kg | 130 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 4700 | | ug/kg | 170 | 29. | 1 |
| Pyrene | 16000 | E | ug/kg | 130 | 21. | 1 |
| Biphenyl | 410 | J | ug/kg | 480 | 49. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 210 | 38. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 210 | 40. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 210 | 40. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 210 | 87. | 1 |
| Dibenzofuran | 2800 | | ug/kg | 210 | 20. | 1 |
| 2-Methylnaphthalene | 1300 | | ug/kg | 250 | 25. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 210 | 22. | 1 |
| Acetophenone | ND | | ug/kg | 210 | 26. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 40. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 210 | 31. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 210 | 25. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 190 | 34. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 210 | 69. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 450 | 79. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 290 | 86. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1000 | 98. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 550 | 100 | 1 |
| Pentachlorophenol | ND | | ug/kg | 170 | 46. | 1 |
| Phenol | ND | | ug/kg | 210 | 32. | 1 |
| 2-Methylphenol | 46 | J | ug/kg | 210 | 32. | 1 |
| 3-Methylphenol/4-Methylphenol | 160 | J | ug/kg | 300 | 33. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 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 | 210 | 40. | 1 |
| Benzoic Acid | ND | | ug/kg | 680 | 210 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 210 | 64. | 1 |
| Carbazole | 2700 | | ug/kg | 210 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 32 | 9.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 62 | | 25-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 2,4,6-Tribromophenol | 69 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25 R
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/08/20 14:34
 Analyst: RS
 Percent Solids: 79%

Extraction Method: ALPHA 23528
 Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.623 | 0.028 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.623 | 0.057 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.623 | 0.049 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.067 | J | ug/kg | 0.623 | 0.065 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.623 | 0.056 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.623 | 0.075 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.170 | J | ug/kg | 0.623 | 0.052 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.623 | 0.224 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.623 | 0.170 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.623 | 0.093 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.623 | 0.162 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.623 | 0.083 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.623 | 0.357 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.623 | 0.251 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.623 | 0.058 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.623 | 0.190 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.623 | 0.122 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.623 | 0.105 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.623 | 0.087 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.623 | 0.255 | 1 |
| Perfluorotetradecanoic Acid (PFTa) | ND | | ug/kg | 0.623 | 0.067 | 1 |
| PFOA/PFOS, Total | 0.170 | J | ug/kg | 0.623 | 0.052 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25 R
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 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) | 92 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 101 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 89 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 88 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 91 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 94 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 61 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 99 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 89 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 93 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 80 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 98 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 11 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 63 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 105 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-25 D
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/04/20 07:12
 Analyst: WR
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Fluoranthene | 28000 | | ug/kg | 630 | 120 | 5 |
| Phenanthrene | 36000 | | ug/kg | 630 | 130 | 5 |
| Pyrene | 24000 | | ug/kg | 630 | 100 | 5 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-26
 Client ID: 055_LSB-46_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 05:53
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 25 | J | ug/kg | 150 | 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 | 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 | 34. | 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 | 1200 | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | 110 | 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 | 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 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-26
 Client ID: 055_LSB-46_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
 Date Received: 08/31/20
 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 | 680 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 860 | | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 960 | | ug/kg | 120 | 32. | 1 |
| Benzo(k)fluoranthene | 270 | | ug/kg | 120 | 31. | 1 |
| Chrysene | 630 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | 57 | J | ug/kg | 150 | 30. | 1 |
| Anthracene | 130 | | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | 570 | | ug/kg | 150 | 23. | 1 |
| Fluorene | 26 | J | ug/kg | 190 | 19. | 1 |
| Phenanthrene | 460 | | ug/kg | 120 | 23. | 1 |
| Dibenzo(a,h)anthracene | 120 | | ug/kg | 120 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 530 | | ug/kg | 150 | 27. | 1 |
| Pyrene | 1100 | | 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 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 80. | 1 |
| Dibenzofuran | 32 | J | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 36. | 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 | 170 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 90. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 30. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-26
Client ID: 055_LSB-46_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
Date Received: 08/31/20
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 | 59. | 1 |
| Carbazole | 21 | J | ug/kg | 190 | 19. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 29 | 8.8 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 68 | | 25-120 |
| Phenol-d6 | 64 | | 10-120 |
| Nitrobenzene-d5 | 90 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 65 | | 10-136 |
| 4-Terphenyl-d14 | 54 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-27
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 07:24
 Analyst: IM
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 2800 | | ug/kg | 180 | 23. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 220 | 25. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 25. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 220 | 40. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 220 | 38. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 220 | 39. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 220 | 59. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 220 | 44. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 220 | 38. | 1 |
| Fluoranthene | 21000 | E | ug/kg | 130 | 26. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 220 | 24. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 220 | 34. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 270 | 38. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 240 | 22. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 220 | 32. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 640 | 200 | 1 |
| Hexachloroethane | ND | | ug/kg | 180 | 36. | 1 |
| Isophorone | ND | | ug/kg | 200 | 29. | 1 |
| Naphthalene | 7000 | | ug/kg | 220 | 27. | 1 |
| Nitrobenzene | ND | | ug/kg | 200 | 33. | 1 |
| NDPA/DPA | ND | | ug/kg | 180 | 25. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 220 | 34. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 220 | 77. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 220 | 56. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 220 | 42. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 220 | 76. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-27
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 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 | 220 | 20. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 220 | 47. | 1 |
| Benzo(a)anthracene | 8500 | | ug/kg | 130 | 25. | 1 |
| Benzo(a)pyrene | 9500 | E | ug/kg | 180 | 54. | 1 |
| Benzo(b)fluoranthene | 10000 | E | ug/kg | 130 | 37. | 1 |
| Benzo(k)fluoranthene | 3000 | | ug/kg | 130 | 36. | 1 |
| Chrysene | 7500 | | ug/kg | 130 | 23. | 1 |
| Acenaphthylene | 700 | | ug/kg | 180 | 34. | 1 |
| Anthracene | 2300 | | ug/kg | 130 | 43. | 1 |
| Benzo(ghi)perylene | 5800 | | ug/kg | 180 | 26. | 1 |
| Fluorene | 1600 | | ug/kg | 220 | 22. | 1 |
| Phenanthrene | 6000 | | ug/kg | 130 | 27. | 1 |
| Dibenzo(a,h)anthracene | 1100 | | ug/kg | 130 | 26. | 1 |
| Indeno(1,2,3-cd)pyrene | 5500 | | ug/kg | 180 | 31. | 1 |
| Pyrene | 19000 | E | ug/kg | 130 | 22. | 1 |
| Biphenyl | 460 | J | ug/kg | 510 | 52. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 220 | 40. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 220 | 43. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 220 | 42. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 220 | 92. | 1 |
| Dibenzofuran | 1600 | | ug/kg | 220 | 21. | 1 |
| 2-Methylnaphthalene | 1300 | | ug/kg | 270 | 27. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 220 | 23. | 1 |
| Acetophenone | ND | | ug/kg | 220 | 28. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 42. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 220 | 33. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 220 | 26. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 200 | 36. | 1 |
| 2,4-Dimethylphenol | 150 | J | ug/kg | 220 | 73. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 480 | 84. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 310 | 91. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1100 | 100 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 580 | 110 | 1 |
| Pentachlorophenol | ND | | ug/kg | 180 | 49. | 1 |
| Phenol | 280 | | ug/kg | 220 | 34. | 1 |
| 2-Methylphenol | 110 | J | ug/kg | 220 | 34. | 1 |
| 3-Methylphenol/4-Methylphenol | 1500 | | ug/kg | 320 | 35. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-27

Date Collected: 08/31/20 14:00

Client ID: 056_LSB-45_7.5-9.5

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 220 | 42. | 1 |
| Benzoic Acid | ND | | ug/kg | 720 | 220 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 220 | 68. | 1 |
| Carbazole | 1100 | | ug/kg | 220 | 22. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 33 | 10. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 63 | | 25-120 |
| Phenol-d6 | 66 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 62 | | 30-120 |
| 2,4,6-Tribromophenol | 54 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-27 D
 Client ID: 056_LSB-45_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/04/20 06:21
 Analyst: WR
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Fluoranthene | 25000 | | ug/kg | 670 | 130 | 5 |
| Benzo(a)pyrene | 8100 | | ug/kg | 890 | 270 | 5 |
| Benzo(b)fluoranthene | 9100 | | ug/kg | 670 | 190 | 5 |
| Pyrene | 22000 | | ug/kg | 670 | 110 | 5 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-28 D
 Client ID: 057_LSB-41_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/02/20 15:58
 Analyst: JG
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 18:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 650 | J | ug/kg | 800 | 100 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1000 | 110 | 5 |
| Hexachlorobenzene | ND | | ug/kg | 600 | 110 | 5 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 900 | 140 | 5 |
| 2-Chloronaphthalene | ND | | ug/kg | 1000 | 99. | 5 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1000 | 180 | 5 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1000 | 170 | 5 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 1000 | 260 | 5 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 1000 | 200 | 5 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 1000 | 170 | 5 |
| Fluoranthene | 380 | J | ug/kg | 600 | 110 | 5 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 1000 | 110 | 5 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 1000 | 150 | 5 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 1200 | 170 | 5 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 1100 | 100 | 5 |
| Hexachlorobutadiene | ND | | ug/kg | 1000 | 140 | 5 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 2800 | 900 | 5 |
| Hexachloroethane | ND | | ug/kg | 800 | 160 | 5 |
| Isophorone | ND | | ug/kg | 900 | 130 | 5 |
| Naphthalene | ND | | ug/kg | 1000 | 120 | 5 |
| Nitrobenzene | ND | | ug/kg | 900 | 150 | 5 |
| NDPA/DPA | ND | | ug/kg | 800 | 110 | 5 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 1000 | 150 | 5 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 1000 | 340 | 5 |
| Butyl benzyl phthalate | ND | | ug/kg | 1000 | 250 | 5 |
| Di-n-butylphthalate | ND | | ug/kg | 1000 | 190 | 5 |
| Di-n-octylphthalate | ND | | ug/kg | 1000 | 340 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-28 D
 Client ID: 057_LSB-41_7.5-9.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
 Date Received: 08/31/20
 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 | 1000 | 92. | 5 |
| Dimethyl phthalate | ND | | ug/kg | 1000 | 210 | 5 |
| Benzo(a)anthracene | 540 | J | ug/kg | 600 | 110 | 5 |
| Benzo(a)pyrene | 370 | J | ug/kg | 800 | 240 | 5 |
| Benzo(b)fluoranthene | 310 | J | ug/kg | 600 | 170 | 5 |
| Benzo(k)fluoranthene | ND | | ug/kg | 600 | 160 | 5 |
| Chrysene | 900 | | ug/kg | 600 | 100 | 5 |
| Acenaphthylene | ND | | ug/kg | 800 | 150 | 5 |
| Anthracene | 510 | J | ug/kg | 600 | 190 | 5 |
| Benzo(ghi)perylene | 270 | J | ug/kg | 800 | 120 | 5 |
| Fluorene | 1100 | | ug/kg | 1000 | 97. | 5 |
| Phenanthrene | ND | | ug/kg | 600 | 120 | 5 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 600 | 120 | 5 |
| Indeno(1,2,3-cd)pyrene | 160 | J | ug/kg | 800 | 140 | 5 |
| Pyrene | 1200 | | ug/kg | 600 | 99. | 5 |
| Biphenyl | ND | | ug/kg | 2300 | 230 | 5 |
| 4-Chloroaniline | ND | | ug/kg | 1000 | 180 | 5 |
| 2-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 3-Nitroaniline | ND | | ug/kg | 1000 | 190 | 5 |
| 4-Nitroaniline | ND | | ug/kg | 1000 | 410 | 5 |
| Dibenzofuran | 270 | J | ug/kg | 1000 | 94. | 5 |
| 2-Methylnaphthalene | 180 | J | ug/kg | 1200 | 120 | 5 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 1000 | 100 | 5 |
| Acetophenone | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 600 | 190 | 5 |
| p-Chloro-m-cresol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Chlorophenol | ND | | ug/kg | 1000 | 120 | 5 |
| 2,4-Dichlorophenol | ND | | ug/kg | 900 | 160 | 5 |
| 2,4-Dimethylphenol | ND | | ug/kg | 1000 | 330 | 5 |
| 2-Nitrophenol | ND | | ug/kg | 2200 | 370 | 5 |
| 4-Nitrophenol | ND | | ug/kg | 1400 | 410 | 5 |
| 2,4-Dinitrophenol | ND | | ug/kg | 4800 | 460 | 5 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 2600 | 480 | 5 |
| Pentachlorophenol | ND | | ug/kg | 800 | 220 | 5 |
| Phenol | ND | | ug/kg | 1000 | 150 | 5 |
| 2-Methylphenol | ND | | ug/kg | 1000 | 150 | 5 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 1400 | 160 | 5 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-28 D

Date Collected: 08/31/20 13:40

Client ID: 057_LSB-41_7.5-9.5

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 1000 | 190 | 5 |
| Benzoic Acid | ND | | ug/kg | 3200 | 1000 | 5 |
| Benzyl Alcohol | ND | | ug/kg | 1000 | 300 | 5 |
| Carbazole | ND | | ug/kg | 1000 | 97. | 5 |
| 1,4-Dioxane | ND | | ug/kg | 150 | 46. | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 68 | | 25-120 |
| Phenol-d6 | 74 | | 10-120 |
| Nitrobenzene-d5 | 91 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 2,4,6-Tribromophenol | 50 | | 10-136 |
| 4-Terphenyl-d14 | 60 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-29
 Client ID: 058_LSB-40_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 06:38
 Analyst: IM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 11:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 31 | J | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 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 | 54. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 41. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 35. | 1 |
| Fluoranthene | 2400 | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 35. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 580 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 33. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 450 | | ug/kg | 200 | 25. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 70. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 51. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 39. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 69. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-29
 Client ID: 058_LSB-40_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
 Date Received: 08/31/20
 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 | 1800 | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | 2800 | | ug/kg | 160 | 50. | 1 |
| Benzo(b)fluoranthene | 3100 | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 920 | | ug/kg | 120 | 33. | 1 |
| Chrysene | 1700 | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | 190 | | ug/kg | 160 | 31. | 1 |
| Anthracene | 280 | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | 1900 | | ug/kg | 160 | 24. | 1 |
| Fluorene | 30 | J | ug/kg | 200 | 20. | 1 |
| Phenanthrene | 760 | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | 340 | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | 1800 | | ug/kg | 160 | 28. | 1 |
| Pyrene | 2600 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 460 | 47. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 84. | 1 |
| Dibenzofuran | 84 | J | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | 77 | J | ug/kg | 240 | 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 | 30. | 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 | 67. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 440 | 77. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 83. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 980 | 95. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 530 | 98. | 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 | 290 | 32. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-29
 Client ID: 058_LSB-40_6.0-8.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
 Date Received: 08/31/20
 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 | 62. | 1 |
| Carbazole | 52 | J | ug/kg | 200 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 31 | 9.4 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 60 | | 25-120 |
| Phenol-d6 | 60 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 58 | | 30-120 |
| 2,4,6-Tribromophenol | 49 | | 10-136 |
| 4-Terphenyl-d14 | 47 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
Client ID: 060_LSB-36_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/03/20 18:57
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 860 | | ug/kg | 430 | 56. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 540 | 62. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 320 | 60. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 490 | 73. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 540 | 54. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 540 | 97. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 540 | 93. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 540 | 94. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 540 | 140 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 540 | 110 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 540 | 93. | 1 |
| Fluoranthene | 12000 | | ug/kg | 320 | 62. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 540 | 58. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 540 | 82. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 650 | 92. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 580 | 54. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 540 | 79. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1500 | 490 | 1 |
| Hexachloroethane | ND | | ug/kg | 430 | 88. | 1 |
| Isophorone | ND | | ug/kg | 490 | 70. | 1 |
| Naphthalene | 560 | | ug/kg | 540 | 66. | 1 |
| Nitrobenzene | ND | | ug/kg | 490 | 80. | 1 |
| NDPA/DPA | ND | | ug/kg | 430 | 62. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 540 | 84. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 540 | 190 | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 540 | 140 | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 540 | 100 | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 540 | 180 | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 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 | 540 | 50. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 540 | 110 | 1 |
| Benzo(a)anthracene | 6200 | | ug/kg | 320 | 61. | 1 |
| Benzo(a)pyrene | 5200 | | ug/kg | 430 | 130 | 1 |
| Benzo(b)fluoranthene | 6700 | | ug/kg | 320 | 91. | 1 |
| Benzo(k)fluoranthene | 2400 | | ug/kg | 320 | 86. | 1 |
| Chrysene | 6200 | | ug/kg | 320 | 56. | 1 |
| Acenaphthylene | 770 | | ug/kg | 430 | 84. | 1 |
| Anthracene | 2200 | | ug/kg | 320 | 100 | 1 |
| Benzo(ghi)perylene | 4200 | | ug/kg | 430 | 64. | 1 |
| Fluorene | 910 | | ug/kg | 540 | 52. | 1 |
| Phenanthrene | 11000 | | ug/kg | 320 | 66. | 1 |
| Dibenzo(a,h)anthracene | 1000 | | ug/kg | 320 | 62. | 1 |
| Indeno(1,2,3-cd)pyrene | 4000 | | ug/kg | 430 | 75. | 1 |
| Pyrene | 11000 | | ug/kg | 320 | 54. | 1 |
| Biphenyl | ND | | ug/kg | 1200 | 120 | 1 |
| 4-Chloroaniline | ND | | ug/kg | 540 | 98. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 540 | 100 | 1 |
| 3-Nitroaniline | ND | | ug/kg | 540 | 100 | 1 |
| 4-Nitroaniline | ND | | ug/kg | 540 | 220 | 1 |
| Dibenzofuran | 580 | | ug/kg | 540 | 51. | 1 |
| 2-Methylnaphthalene | 360 | J | ug/kg | 650 | 65. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 540 | 56. | 1 |
| Acetophenone | ND | | ug/kg | 540 | 67. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 320 | 100 | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 540 | 81. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 540 | 64. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 490 | 87. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 540 | 180 | 1 |
| 2-Nitrophenol | ND | | ug/kg | 1200 | 200 | 1 |
| 4-Nitrophenol | ND | | ug/kg | 760 | 220 | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 2600 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 1400 | 260 | 1 |
| Pentachlorophenol | ND | | ug/kg | 430 | 120 | 1 |
| Phenol | ND | | ug/kg | 540 | 82. | 1 |
| 2-Methylphenol | ND | | ug/kg | 540 | 84. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 780 | 85. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 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 | 540 | 100 | 1 |
| Benzoic Acid | ND | | ug/kg | 1800 | 550 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 540 | 160 | 1 |
| Carbazole | 1200 | | ug/kg | 540 | 52. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 81 | 25. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 66 | | 25-120 |
| Phenol-d6 | 70 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 30-120 |
| 2,4,6-Tribromophenol | 77 | | 10-136 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
Client ID: 060_LSB-36_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/20 23:54
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.517 | 0.024 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.517 | 0.048 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.517 | 0.040 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.079 | J | ug/kg | 0.517 | 0.054 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.517 | 0.047 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.517 | 0.063 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.517 | 0.043 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.517 | 0.186 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.517 | 0.141 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.517 | 0.078 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.517 | 0.134 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.517 | 0.069 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.517 | 0.297 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.517 | 0.208 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.517 | 0.048 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.517 | 0.158 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.517 | 0.101 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.517 | 0.087 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.517 | 0.072 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.517 | 0.211 | 1 |
| Perfluorotetradecanoic Acid (PFTTA) | ND | | ug/kg | 0.517 | 0.056 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.517 | 0.043 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 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) | 97 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 106 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 104 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 93 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 103 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 100 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 76 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 106 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 105 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 101 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 103 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 76 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 97 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 81 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 88 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 101 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 04:22
 Analyst: IM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 41 | J | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 53. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 34. | 1 |
| Fluoranthene | 450 | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 570 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 87 | J | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 69. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 50. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 68. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-32

Date Collected: 09/01/20 09:10

Client ID: 061_LSB-36_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 42. | 1 |
| Benzo(a)anthracene | 220 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 210 | | ug/kg | 160 | 49. | 1 |
| Benzo(b)fluoranthene | 230 | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 78 | J | ug/kg | 120 | 32. | 1 |
| Chrysene | 200 | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 31. | 1 |
| Anthracene | 100 | J | ug/kg | 120 | 39. | 1 |
| Benzo(ghi)perylene | 110 | J | ug/kg | 160 | 24. | 1 |
| Fluorene | 45 | J | ug/kg | 200 | 20. | 1 |
| Phenanthrene | 350 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 28 | J | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 110 | J | ug/kg | 160 | 28. | 1 |
| Pyrene | 410 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 460 | 46. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 83. | 1 |
| Dibenzofuran | 31 | J | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 240 | 24. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 21. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 25. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 38. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 66. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 430 | 75. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 82. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 960 | 93. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 520 | 96. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 44. | 1 |
| Phenol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 31. | 1 |
| 3-Methylphenol/4-Methylphenol | 850 | | ug/kg | 290 | 31. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 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 | 650 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 61. | 1 |
| Carbazole | 32 | J | ug/kg | 200 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 30 | 9.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 60 | | 25-120 |
| Phenol-d6 | 62 | | 10-120 |
| Nitrobenzene-d5 | 76 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 30-120 |
| 2,4,6-Tribromophenol | 45 | | 10-136 |
| 4-Terphenyl-d14 | 45 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
Client ID: 061_LSB-36_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 00:11
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 0.034 | J | ug/kg | 0.587 | 0.027 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 0.112 | J | ug/kg | 0.587 | 0.054 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.587 | 0.046 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.116 | J | ug/kg | 0.587 | 0.062 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 0.057 | J | ug/kg | 0.587 | 0.053 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.587 | 0.071 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.265 | J | ug/kg | 0.587 | 0.049 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.587 | 0.211 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.587 | 0.160 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.587 | 0.088 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.587 | 0.153 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.587 | 0.079 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.587 | 0.337 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.587 | 0.236 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.587 | 0.055 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.587 | 0.180 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.587 | 0.115 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.587 | 0.099 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.587 | 0.082 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.587 | 0.240 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.587 | 0.063 | 1 |
| PFOA/PFOS, Total | 0.265 | J | ug/kg | 0.587 | 0.049 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 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) | 93 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 101 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 91 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 92 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 94 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 97 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 98 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 101 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 96 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 83 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 69 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 103 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 23 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 70 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 101 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 19:20
 Analyst: IM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 590 | | 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 | 31000 | 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 | 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 | 1100 | | 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 | 47. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 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 | 18000 | E | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | 14000 | E | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 19000 | E | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | 5200 | | ug/kg | 110 | 30. | 1 |
| Chrysene | 17000 | E | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | 6200 | | ug/kg | 150 | 29. | 1 |
| Anthracene | 5900 | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | 8300 | E | ug/kg | 150 | 22. | 1 |
| Fluorene | 1500 | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | 28000 | E | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | 2500 | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 8400 | E | ug/kg | 150 | 26. | 1 |
| Pyrene | 36000 | E | ug/kg | 110 | 19. | 1 |
| Biphenyl | 200 | J | 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 | 740 | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | 390 | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | 28 | J | 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 | 900 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 90. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 41. | 1 |
| Phenol | 110 | J | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | 44 | J | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | 220 | J | ug/kg | 270 | 30. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 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 | 1100 | | ug/kg | 190 | 18. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 28 | 8.7 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 57 | | 25-120 |
| Phenol-d6 | 55 | | 10-120 |
| Nitrobenzene-d5 | 56 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 63 | | 10-136 |
| 4-Terphenyl-d14 | 61 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 00:27
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.530 | 0.024 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.530 | 0.049 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.530 | 0.041 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.530 | 0.056 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.530 | 0.048 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.530 | 0.064 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.124 | J | ug/kg | 0.530 | 0.044 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.530 | 0.190 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.530 | 0.145 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.793 | | ug/kg | 0.530 | 0.080 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.500 | J | ug/kg | 0.530 | 0.138 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.815 | | ug/kg | 0.530 | 0.071 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.530 | 0.304 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.530 | 0.214 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.530 | 0.050 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.530 | 0.162 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.530 | 0.104 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.530 | 0.090 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.530 | 0.074 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.530 | 0.217 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.530 | 0.057 | 1 |
| PFOA/PFOS, Total | 0.624 | J | ug/kg | 0.530 | 0.044 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 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) | 100 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 109 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 108 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 100 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 102 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 98 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 102 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 104 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 106 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 98 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 81 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 74 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 104 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 96 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 63 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 106 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 92 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33 D
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/09/20 07:52
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Fluoranthene | 47000 | | ug/kg | 1100 | 220 | 10 |
| Benzo(a)anthracene | 19000 | | ug/kg | 1100 | 210 | 10 |
| Benzo(a)pyrene | 21000 | | ug/kg | 1500 | 460 | 10 |
| Benzo(b)fluoranthene | 24000 | | ug/kg | 1100 | 320 | 10 |
| Chrysene | 21000 | | ug/kg | 1100 | 200 | 10 |
| Benzo(ghi)perylene | 13000 | | ug/kg | 1500 | 220 | 10 |
| Phenanthrene | 38000 | | ug/kg | 1100 | 230 | 10 |
| Indeno(1,2,3-cd)pyrene | 12000 | | ug/kg | 1500 | 260 | 10 |
| Pyrene | 54000 | | ug/kg | 1100 | 190 | 10 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/03/20 06:16
 Analyst: IM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 1400 | | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 53. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 34. | 1 |
| Fluoranthene | 8400 | E | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 570 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 2100 | | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 69. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 50. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 68. | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 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 | 42. | 1 |
| Benzo(a)anthracene | 3600 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 3500 | | ug/kg | 160 | 49. | 1 |
| Benzo(b)fluoranthene | 4000 | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 1300 | | ug/kg | 120 | 32. | 1 |
| Chrysene | 3700 | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | 280 | | ug/kg | 160 | 31. | 1 |
| Anthracene | 2000 | | ug/kg | 120 | 39. | 1 |
| Benzo(ghi)perylene | 1900 | | ug/kg | 160 | 24. | 1 |
| Fluorene | 1300 | | ug/kg | 200 | 20. | 1 |
| Phenanthrene | 10000 | E | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 460 | | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 1900 | | ug/kg | 160 | 28. | 1 |
| Pyrene | 7500 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | 180 | J | ug/kg | 460 | 46. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 83. | 1 |
| Dibenzofuran | 980 | | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | 740 | | ug/kg | 240 | 24. | 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 | 38. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 32. | 1 |
| 2,4-Dimethylphenol | 100 | J | ug/kg | 200 | 66. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 430 | 75. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 82. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 960 | 94. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 520 | 96. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 44. | 1 |
| Phenol | 140 | J | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | 86 | J | ug/kg | 200 | 31. | 1 |
| 3-Methylphenol/4-Methylphenol | 320 | | ug/kg | 290 | 31. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
Client ID: 063_LSB-38_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
Date Received: 09/01/20
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 | 650 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 61. | 1 |
| Carbazole | 1000 | | ug/kg | 200 | 20. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 30 | 9.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 60 | | 25-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 23-120 |
| 2-Fluorobiphenyl | 64 | | 30-120 |
| 2,4,6-Tribromophenol | 51 | | 10-136 |
| 4-Terphenyl-d14 | 52 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
Client ID: 063_LSB-38_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 01:33
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.541 | 0.025 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.541 | 0.050 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.541 | 0.042 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.541 | 0.057 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.541 | 0.049 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.541 | 0.066 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.541 | 0.045 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.541 | 0.194 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.541 | 0.148 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.541 | 0.081 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.541 | 0.141 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.541 | 0.073 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.541 | 0.311 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.541 | 0.218 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.541 | 0.051 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.541 | 0.166 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.541 | 0.106 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.541 | 0.092 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.541 | 0.076 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.541 | 0.221 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.541 | 0.058 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.541 | 0.045 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 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) | 99 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 104 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 96 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 102 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 99 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 73 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 102 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 104 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 98 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 82 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 78 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 103 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 18 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 88 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 114 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34 D
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/04/20 06:47
 Analyst: WR
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Fluoranthene | 9800 | | ug/kg | 600 | 120 | 5 |
| Phenanthrene | 11000 | | ug/kg | 600 | 120 | 5 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/04/20 18:39
 Analyst: SZ
 Percent Solids: 76%

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 87 | J | ug/kg | 170 | 22. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 220 | 25. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 24. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 190 | 29. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 220 | 21. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 220 | 39. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 220 | 37. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 220 | 38. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 220 | 57. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 220 | 43. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 220 | 37. | 1 |
| Fluoranthene | 4700 | | ug/kg | 130 | 25. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 220 | 23. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 220 | 33. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 260 | 37. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 230 | 22. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 220 | 32. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 620 | 200 | 1 |
| Hexachloroethane | ND | | ug/kg | 170 | 35. | 1 |
| Isophorone | ND | | ug/kg | 190 | 28. | 1 |
| Naphthalene | 200 | J | ug/kg | 220 | 26. | 1 |
| Nitrobenzene | ND | | ug/kg | 190 | 32. | 1 |
| NDPA/DPA | ND | | ug/kg | 170 | 24. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 220 | 33. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 220 | 75. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 220 | 54. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 220 | 41. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 220 | 73. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 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 | 220 | 20. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 220 | 45. | 1 |
| Benzo(a)anthracene | 2600 | | ug/kg | 130 | 24. | 1 |
| Benzo(a)pyrene | 2700 | | ug/kg | 170 | 53. | 1 |
| Benzo(b)fluoranthene | 3900 | | ug/kg | 130 | 36. | 1 |
| Benzo(k)fluoranthene | 930 | | ug/kg | 130 | 34. | 1 |
| Chrysene | 2600 | | ug/kg | 130 | 22. | 1 |
| Acenaphthylene | 1300 | | ug/kg | 170 | 33. | 1 |
| Anthracene | 700 | | ug/kg | 130 | 42. | 1 |
| Benzo(ghi)perylene | 2400 | | ug/kg | 170 | 25. | 1 |
| Fluorene | 160 | J | ug/kg | 220 | 21. | 1 |
| Phenanthrene | 3000 | | ug/kg | 130 | 26. | 1 |
| Dibenzo(a,h)anthracene | 470 | | ug/kg | 130 | 25. | 1 |
| Indeno(1,2,3-cd)pyrene | 2400 | | ug/kg | 170 | 30. | 1 |
| Pyrene | 4900 | | ug/kg | 130 | 21. | 1 |
| Biphenyl | ND | | ug/kg | 490 | 50. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 220 | 39. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 220 | 42. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 220 | 41. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 220 | 89. | 1 |
| Dibenzofuran | 100 | J | ug/kg | 220 | 20. | 1 |
| 2-Methylnaphthalene | 76 | J | ug/kg | 260 | 26. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 220 | 22. | 1 |
| Acetophenone | ND | | ug/kg | 220 | 27. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 41. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 220 | 32. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 220 | 26. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 190 | 35. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 220 | 71. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 470 | 81. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 300 | 88. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1000 | 100 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 560 | 100 | 1 |
| Pentachlorophenol | ND | | ug/kg | 170 | 48. | 1 |
| Phenol | ND | | ug/kg | 220 | 33. | 1 |
| 2-Methylphenol | ND | | ug/kg | 220 | 33. | 1 |
| 3-Methylphenol/4-Methylphenol | 59 | J | ug/kg | 310 | 34. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 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 | 220 | 41. | 1 |
| Benzoic Acid | ND | | ug/kg | 700 | 220 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 220 | 66. | 1 |
| Carbazole | 300 | | ug/kg | 220 | 21. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 32 | 9.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 55 | | 25-120 |
| Phenol-d6 | 58 | | 10-120 |
| Nitrobenzene-d5 | 74 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 41 | | 10-136 |
| 4-Terphenyl-d14 | 41 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
Client ID: 065_LSB-39_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 01:50
Analyst: SG
Percent Solids: 76%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 0.038 | J | ug/kg | 0.616 | 0.028 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 0.092 | J | ug/kg | 0.616 | 0.057 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.616 | 0.048 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.148 | JF | ug/kg | 0.616 | 0.065 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 0.253 | J | ug/kg | 0.616 | 0.056 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.616 | 0.075 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.58 | | ug/kg | 0.616 | 0.052 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.616 | 0.221 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.616 | 0.168 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.78 | | ug/kg | 0.616 | 0.092 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 1.02 | | ug/kg | 0.616 | 0.160 | 1 |
| Perfluorodecanoic Acid (PFDA) | 2.32 | | ug/kg | 0.616 | 0.083 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.616 | 0.354 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.616 | 0.248 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.412 | J | ug/kg | 0.616 | 0.058 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.616 | 0.188 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.616 | 0.121 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.616 | 0.104 | 1 |
| Perfluorododecanoic Acid (PFDoA) | 0.221 | J | ug/kg | 0.616 | 0.086 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.616 | 0.252 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.616 | 0.067 | 1 |
| PFOA/PFOS, Total | 2.60 | | ug/kg | 0.616 | 0.052 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 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 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 109 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 111 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 101 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 102 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 106 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 103 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 104 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 110 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 102 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 77 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 63 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 104 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 64 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 68 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 106 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/04/20 19:02
 Analyst: SZ
 Percent Solids: 68%

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 120 | J | ug/kg | 190 | 25. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 240 | 28. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 140 | 27. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 220 | 33. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 240 | 24. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 240 | 43. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 240 | 42. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 240 | 42. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 240 | 64. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 240 | 48. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 240 | 41. | 1 |
| Fluoranthene | 1800 | | ug/kg | 140 | 28. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 240 | 26. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 240 | 37. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 290 | 41. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 260 | 24. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 240 | 35. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 690 | 220 | 1 |
| Hexachloroethane | ND | | ug/kg | 190 | 39. | 1 |
| Isophorone | ND | | ug/kg | 220 | 31. | 1 |
| Naphthalene | 850 | | ug/kg | 240 | 29. | 1 |
| Nitrobenzene | ND | | ug/kg | 220 | 36. | 1 |
| NDPA/DPA | ND | | ug/kg | 190 | 27. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 240 | 37. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 240 | 84. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 240 | 61. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 240 | 46. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 240 | 82. | 1 |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 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 | 240 | 22. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 240 | 51. | 1 |
| Benzo(a)anthracene | 1100 | | ug/kg | 140 | 27. | 1 |
| Benzo(a)pyrene | 1200 | | ug/kg | 190 | 59. | 1 |
| Benzo(b)fluoranthene | 1600 | | ug/kg | 140 | 41. | 1 |
| Benzo(k)fluoranthene | 360 | | ug/kg | 140 | 39. | 1 |
| Chrysene | 920 | | ug/kg | 140 | 25. | 1 |
| Acenaphthylene | 200 | | ug/kg | 190 | 37. | 1 |
| Anthracene | 360 | | ug/kg | 140 | 47. | 1 |
| Benzo(ghi)perylene | 740 | | ug/kg | 190 | 28. | 1 |
| Fluorene | 170 | J | ug/kg | 240 | 23. | 1 |
| Phenanthrene | 1300 | | ug/kg | 140 | 29. | 1 |
| Dibenzo(a,h)anthracene | 180 | | ug/kg | 140 | 28. | 1 |
| Indeno(1,2,3-cd)pyrene | 860 | | ug/kg | 190 | 34. | 1 |
| Pyrene | 1700 | | ug/kg | 140 | 24. | 1 |
| Biphenyl | ND | | ug/kg | 550 | 56. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 240 | 44. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 240 | 46. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 240 | 46. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 240 | 100 | 1 |
| Dibenzofuran | 150 | J | ug/kg | 240 | 23. | 1 |
| 2-Methylnaphthalene | 140 | J | ug/kg | 290 | 29. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 240 | 25. | 1 |
| Acetophenone | ND | | ug/kg | 240 | 30. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 140 | 46. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 240 | 36. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 240 | 28. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 220 | 39. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 240 | 80. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 520 | 91. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 340 | 98. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1200 | 110 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 630 | 120 | 1 |
| Pentachlorophenol | ND | | ug/kg | 190 | 53. | 1 |
| Phenol | ND | | ug/kg | 240 | 36. | 1 |
| 2-Methylphenol | ND | | ug/kg | 240 | 37. | 1 |
| 3-Methylphenol/4-Methylphenol | 120 | J | ug/kg | 350 | 38. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
Client ID: 066_LSB-39_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
Date Received: 09/02/20
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 | 240 | 46. | 1 |
| Benzoic Acid | ND | | ug/kg | 780 | 240 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 240 | 74. | 1 |
| Carbazole | 140 | J | ug/kg | 240 | 23. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 36 | 11. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 30-120 |
| 2,4,6-Tribromophenol | 50 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
Client ID: 066_LSB-39_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 02:07
Analyst: SG
Percent Solids: 68%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.692 | 0.031 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.692 | 0.064 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.692 | 0.054 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.073 | J | ug/kg | 0.692 | 0.073 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.692 | 0.062 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.692 | 0.084 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.692 | 0.058 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.692 | 0.248 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.692 | 0.189 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.692 | 0.104 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.692 | 0.180 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.692 | 0.093 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.692 | 0.397 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.692 | 0.279 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.692 | 0.065 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.692 | 0.212 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.692 | 0.136 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.692 | 0.117 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.692 | 0.097 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.692 | 0.283 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.692 | 0.075 | 1 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.692 | 0.058 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 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) | 98 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 107 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 105 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 96 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 98 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 97 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 98 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 69 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 101 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 104 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 95 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 76 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 67 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 97 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 7 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 69 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 101 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 80 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/04/20 19:25
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 300 | | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 34. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 53. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 34. | 1 |
| Fluoranthene | 3000 | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 29. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 570 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 32. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 270 | | ug/kg | 200 | 24. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 69. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 50. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 68. | 1 |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-38

Date Collected: 09/02/20 11:25

Client ID: 067_DUP-2

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 42. | 1 |
| Benzo(a)anthracene | 1400 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 1200 | | ug/kg | 160 | 49. | 1 |
| Benzo(b)fluoranthene | 1600 | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 490 | | ug/kg | 120 | 32. | 1 |
| Chrysene | 1200 | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | 120 | J | ug/kg | 160 | 31. | 1 |
| Anthracene | 550 | | ug/kg | 120 | 39. | 1 |
| Benzo(ghi)perylene | 890 | | ug/kg | 160 | 24. | 1 |
| Fluorene | 210 | | ug/kg | 200 | 19. | 1 |
| Phenanthrene | 2600 | | ug/kg | 120 | 24. | 1 |
| Dibenzo(a,h)anthracene | 180 | | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 940 | | ug/kg | 160 | 28. | 1 |
| Pyrene | 2600 | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 460 | 46. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 36. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 83. | 1 |
| Dibenzofuran | 180 | J | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | 110 | J | ug/kg | 240 | 24. | 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 | 38. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 66. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 430 | 75. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 82. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 960 | 93. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 520 | 96. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 44. | 1 |
| Phenol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 31. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 290 | 31. | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
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 | 650 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 61. | 1 |
| Carbazole | 260 | | ug/kg | 200 | 19. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 30 | 9.2 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 68 | | 25-120 |
| Phenol-d6 | 71 | | 10-120 |
| Nitrobenzene-d5 | 93 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 30-120 |
| 2,4,6-Tribromophenol | 56 | | 10-136 |
| 4-Terphenyl-d14 | 49 | | 18-120 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/07/20 02:23
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.573 | 0.026 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 0.072 | J | ug/kg | 0.573 | 0.053 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.573 | 0.045 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 0.111 | J | ug/kg | 0.573 | 0.060 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 0.183 | J | ug/kg | 0.573 | 0.052 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.573 | 0.069 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.37 | | ug/kg | 0.573 | 0.048 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.573 | 0.206 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.573 | 0.156 | 1 |
| Perfluorononanoic Acid (PFNA) | 4.35 | | ug/kg | 0.573 | 0.086 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 1.12 | | ug/kg | 0.573 | 0.149 | 1 |
| Perfluorodecanoic Acid (PFDA) | 1.39 | | ug/kg | 0.573 | 0.077 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.573 | 0.329 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.573 | 0.231 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.195 | JF | ug/kg | 0.573 | 0.054 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.573 | 0.175 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.573 | 0.112 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.573 | 0.097 | 1 |
| Perfluorododecanoic Acid (PFDoA) | 0.148 | JF | ug/kg | 0.573 | 0.080 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.573 | 0.234 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.573 | 0.062 | 1 |
| PFOA/PFOS, Total | 2.49 | | ug/kg | 0.573 | 0.048 | 1 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
 Client ID: 067_DUP-2
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
 Date Received: 09/02/20
 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) | 100 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 109 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 109 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 102 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 103 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 102 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 102 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 70 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 104 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 109 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 98 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 78 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 75 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 104 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 96 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 66 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 104 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 89 | | 26-160 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/30/20 20:41
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 08-12,16 Batch: WG1404603-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 100 | 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 | 100 | 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 | 17. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 27. |
| Isophorone | ND | | ug/kg | 150 | 22. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 26. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 42. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/20 20:41
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-12,16 Batch: WG1404603-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 35. |
| Benzo(a)anthracene | ND | | ug/kg | 100 | 19. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 100 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 100 | 26. |
| Chrysene | ND | | ug/kg | 100 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 26. |
| Anthracene | ND | | ug/kg | 100 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 20. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 100 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 100 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 100 | 16. |
| Biphenyl | ND | | ug/kg | 380 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 69. |
| 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 | 100 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 25. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 20. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 27. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 55. |
| 2-Nitrophenol | ND | | ug/kg | 360 | 62. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/30/20 20:41
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 08-12,16 Batch: WG1404603-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 68. |
| 2,4-Dinitrophenol | ND | | ug/kg | 800 | 77. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 80. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 32. |
| Benzoic Acid | ND | | ug/kg | 540 | 170 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 51. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 25 | 7.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 69 | | 25-120 |
| Phenol-d6 | 72 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 30-120 |
| 2,4,6-Tribromophenol | 75 | | 10-136 |
| 4-Terphenyl-d14 | 82 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 20:20
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1404648-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 99 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 99 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 16. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 27. |
| Isophorone | ND | | ug/kg | 150 | 21. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 42. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/31/20 20:20
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1404648-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 35. |
| Benzo(a)anthracene | ND | | ug/kg | 99 | 18. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 99 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 99 | 26. |
| Chrysene | ND | | ug/kg | 99 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 25. |
| Anthracene | ND | | ug/kg | 99 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 99 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 99 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 99 | 16. |
| Biphenyl | ND | | ug/kg | 380 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 68. |
| Dibenzofuran | ND | | ug/kg | 160 | 16. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 99 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 24. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 54. |
| 2-Nitrophenol | ND | | ug/kg | 360 | 62. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/31/20 20:20
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/31/20 00:10

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-03,06 Batch: WG1404648-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 790 | 77. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 79. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 32. |
| Benzoic Acid | ND | | ug/kg | 530 | 170 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 25 | 7.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 72 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 30-120 |
| 2,4,6-Tribromophenol | 69 | | 10-136 |
| 4-Terphenyl-d14 | 75 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 18:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,08-09,11-12 Batch: WG1404895-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.500 | 0.039 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.500 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.500 | 0.061 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.500 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.500 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.500 | 0.130 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.500 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.500 | 0.054 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.500 | 0.042 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 18:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,08-09,11-12 Batch: WG1404895-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 100 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 113 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 94 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 98 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 113 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 122 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 105 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 114 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 103 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 142 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 87 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 108 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 10 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 101 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 105 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 85 | | 26-160 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1404939-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | 2.1 | J | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | 0.49 | J | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1404939-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1404939-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol | 52 | | 21-120 |
| Phenol-d6 | 38 | | 10-120 |
| Nitrobenzene-d5 | 61 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 15-120 |
| 2,4,6-Tribromophenol | 69 | | 10-120 |
| 4-Terphenyl-d14 | 91 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/02/20 18:25
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 08/31/20 15:36

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1404940-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 18:25
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:36

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1404940-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 38 | | 21-120 |
| Phenol-d6 | 36 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 50 | | 10-120 |
| 4-Terphenyl-d14 | 109 | | 41-149 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 16:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 04:47

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 13-15,20,28 Batch: WG1405068-1 | | | | | |
| 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 | 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. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 16:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 04:47

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13-15,20,28 Batch: WG1405068-1 | | | | | |
| 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 | 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 | 62. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 16:45
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 04:47

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13-15,20,28 Batch: WG1405068-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 78. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 31. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 24 | 7.5 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 68 | | 25-120 |
| Phenol-d6 | 71 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 2,4,6-Tribromophenol | 75 | | 10-136 |
| 4-Terphenyl-d14 | 73 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1405442-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 99 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 99 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 16. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 27. |
| Isophorone | ND | | ug/kg | 150 | 21. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 26. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 42. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1405442-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 35. |
| Benzo(a)anthracene | ND | | ug/kg | 99 | 19. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 99 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 99 | 26. |
| Chrysene | ND | | ug/kg | 99 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 26. |
| Anthracene | ND | | ug/kg | 99 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 99 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 99 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 99 | 16. |
| Biphenyl | ND | | ug/kg | 380 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 68. |
| Dibenzofuran | ND | | ug/kg | 160 | 16. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 99 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 25. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 20. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 54. |
| 2-Nitrophenol | ND | | ug/kg | 360 | 62. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1405442-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 790 | 77. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 79. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 32. |
| Benzoic Acid | ND | | ug/kg | 540 | 170 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 25 | 7.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol | 82 | | 25-120 |
| Phenol-d6 | 82 | | 10-120 |
| Nitrobenzene-d5 | 93 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 71 | | 10-136 |
| 4-Terphenyl-d14 | 79 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/03/20 00:16
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19,21-22,24-27,29 Batch: WG1405449-1 | | | | | |
| 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 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/03/20 00:16
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19,21-22,24-27,29 Batch: WG1405449-1 | | | | | |
| 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. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/03/20 00:16
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19,21-22,24-27,29 Batch: WG1405449-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 78. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 31. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 24 | 7.5 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 74 | | 25-120 |
| Phenol-d6 | 79 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 30-120 |
| 2,4,6-Tribromophenol | 78 | | 10-136 |
| 4-Terphenyl-d14 | 84 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 23:26
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 04,31-34 Batch: WG1405766-1 | | | | | |
| 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 | 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. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/02/20 23:26
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,31-34 Batch: WG1405766-1 | | | | | |
| 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. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/02/20 23:26
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,31-34 Batch: WG1405766-1 | | | | | |
| 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. |
| 1,4-Dioxane | ND | | ug/kg | 25 | 7.5 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol | 59 | | 25-120 |
| Phenol-d6 | 58 | | 10-120 |
| Nitrobenzene-d5 | 67 | | 23-120 |
| 2-Fluorobiphenyl | 55 | | 30-120 |
| 2,4,6-Tribromophenol | 43 | | 10-136 |
| 4-Terphenyl-d14 | 48 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 15:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 17:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 23 Batch: WG1405864-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | 0.04 | J | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 15:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 17:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 23 Batch: WG1405864-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 28 | | 21-120 |
| Phenol-d6 | 29 | | 10-120 |
| Nitrobenzene-d5 | 37 | | 23-120 |
| 2-Fluorobiphenyl | 41 | | 15-120 |
| 2,4,6-Tribromophenol | 51 | | 10-120 |
| 4-Terphenyl-d14 | 88 | | 41-149 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/04/20 16:19
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/03/20 13:18

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 05,23 Batch: WG1406068-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 58 | | 15-110 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/20 11:47
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/03/20 10:31

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1406137-1 | | | | | |
| 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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID
 Analytical Date: 09/05/20 11:47
 Analyst: SG

Extraction Method: ALPHA 23528
 Extraction Date: 09/03/20 10:31

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 05 Batch: WG1406137-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 89 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 97 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 84 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 89 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 98 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 72 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 98 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 92 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 84 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 73 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 63 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 89 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 23 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 84 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 87 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 81 | | 33-143 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/03/20 20:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 36-38 Batch: WG1406182-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 99 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 99 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 17. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 27. |
| Isophorone | ND | | ug/kg | 150 | 22. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 26. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 42. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/03/20 20:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 36-38 Batch: WG1406182-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 35. |
| Benzo(a)anthracene | ND | | ug/kg | 99 | 19. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 99 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 99 | 26. |
| Chrysene | ND | | ug/kg | 99 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 26. |
| Anthracene | ND | | ug/kg | 99 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 99 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 99 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 99 | 16. |
| Biphenyl | ND | | ug/kg | 380 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 69. |
| Dibenzofuran | ND | | ug/kg | 160 | 16. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 99 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 25. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 20. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 27. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 55. |
| 2-Nitrophenol | ND | | ug/kg | 360 | 62. |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/03/20 20:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:02

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 36-38 Batch: WG1406182-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 68. |
| 2,4-Dinitrophenol | ND | | ug/kg | 800 | 77. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 80. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 32. |
| Benzoic Acid | ND | | ug/kg | 540 | 170 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 51. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| 1,4-Dioxane | ND | | ug/kg | 25 | 7.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 67 | | 25-120 |
| Phenol-d6 | 70 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 51 | | 10-136 |
| 4-Terphenyl-d14 | 64 | | 18-120 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/20 20:52
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 18-19,21,24-25,31-34,36-38 Batch: WG1406585-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.500 | 0.039 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.500 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.500 | 0.061 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.500 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.500 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.500 | 0.130 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.500 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.500 | 0.054 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.500 | 0.042 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/20 20:52
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 10:25

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 18-19,21,24-25,31-34,36-38 | | | | | |
| Batch: WG1406585-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 94 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 100 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 107 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 93 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 99 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 103 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 100 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 65 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 100 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 107 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 95 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 80 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 105 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 1 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 79 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 103 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | 26-160 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/04/20 23:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/04/20 16:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG1406783-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/04/20 23:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/04/20 16:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG1406783-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/04/20 23:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/04/20 16:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG1406783-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 60 | | 21-120 |
| Phenol-d6 | 44 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 72 | | 15-120 |
| 2,4,6-Tribromophenol | 62 | | 10-120 |
| 4-Terphenyl-d14 | 71 | | 41-149 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/20 18:20
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/08/20 15:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 22 Batch: WG1407387-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ug/kg | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ug/kg | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ug/kg | 0.500 | 0.039 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ug/kg | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ug/kg | 0.500 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ug/kg | 0.500 | 0.061 |
| Perfluorooctanoic Acid (PFOA) | ND | | ug/kg | 0.500 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ug/kg | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ug/kg | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA) | ND | | ug/kg | 0.500 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ug/kg | 0.500 | 0.130 |
| Perfluorodecanoic Acid (PFDA) | ND | | ug/kg | 0.500 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ug/kg | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ug/kg | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ug/kg | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ug/kg | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ug/kg | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ug/kg | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ug/kg | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ug/kg | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ug/kg | 0.500 | 0.054 |
| PFOA/PFOS, Total | ND | | ug/kg | 0.500 | 0.042 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/20 18:20
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/08/20 15:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 22 Batch: WG1407387-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 107 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 117 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 119 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 105 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 103 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 111 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 107 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 112 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 108 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 120 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 107 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 126 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 105 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 105 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 12 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 97 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 96 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 95 | | 26-160 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/20 11:26
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/08/20 17:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 23 Batch: WG1407521-1 | | | | | |
| 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 (PFTTA) | ND | | ng/l | 2.00 | 0.248 |
| PFOA/PFOS, Total | ND | | ng/l | 2.00 | 0.236 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/20 11:26
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/08/20 17:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 23 Batch: WG1407521-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 97 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 114 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 109 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 93 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 100 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 91 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 117 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 89 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 96 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 87 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 110 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 83 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 81 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 47 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 93 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 73 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 82 | | 33-143 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|--|-----------|------|-----------|------|------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12,16 Batch: WG1404603-2 WG1404603-3 | | | | | | | | |
| Acenaphthene | 76 | | 77 | | 31-137 | 1 | | 50 |
| 1,2,4-Trichlorobenzene | 66 | | 65 | | 38-107 | 2 | | 50 |
| Hexachlorobenzene | 76 | | 78 | | 40-140 | 3 | | 50 |
| Bis(2-chloroethyl)ether | 70 | | 70 | | 40-140 | 0 | | 50 |
| 2-Chloronaphthalene | 70 | | 72 | | 40-140 | 3 | | 50 |
| 1,2-Dichlorobenzene | 66 | | 69 | | 40-140 | 4 | | 50 |
| 1,3-Dichlorobenzene | 68 | | 69 | | 40-140 | 1 | | 50 |
| 1,4-Dichlorobenzene | 66 | | 68 | | 28-104 | 3 | | 50 |
| 3,3'-Dichlorobenzidine | 72 | | 71 | | 40-140 | 1 | | 50 |
| 2,4-Dinitrotoluene | 76 | | 78 | | 40-132 | 3 | | 50 |
| 2,6-Dinitrotoluene | 74 | | 74 | | 40-140 | 0 | | 50 |
| Fluoranthene | 75 | | 78 | | 40-140 | 4 | | 50 |
| 4-Chlorophenyl phenyl ether | 73 | | 74 | | 40-140 | 1 | | 50 |
| 4-Bromophenyl phenyl ether | 74 | | 77 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 78 | | 79 | | 40-140 | 1 | | 50 |
| Bis(2-chloroethoxy)methane | 73 | | 73 | | 40-117 | 0 | | 50 |
| Hexachlorobutadiene | 71 | | 71 | | 40-140 | 0 | | 50 |
| Hexachlorocyclopentadiene | 64 | | 64 | | 40-140 | 0 | | 50 |
| Hexachloroethane | 66 | | 67 | | 40-140 | 2 | | 50 |
| Isophorone | 76 | | 77 | | 40-140 | 1 | | 50 |
| Naphthalene | 74 | | 72 | | 40-140 | 3 | | 50 |
| Nitrobenzene | 72 | | 73 | | 40-140 | 1 | | 50 |
| NDPA/DPA | 76 | | 76 | | 36-157 | 0 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|--|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12,16 Batch: WG1404603-2 WG1404603-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 75 | | 78 | | 32-121 | 4 | | 50 |
| Bis(2-ethylhexyl)phthalate | 83 | | 84 | | 40-140 | 1 | | 50 |
| Butyl benzyl phthalate | 79 | | 80 | | 40-140 | 1 | | 50 |
| Di-n-butylphthalate | 82 | | 83 | | 40-140 | 1 | | 50 |
| Di-n-octylphthalate | 82 | | 83 | | 40-140 | 1 | | 50 |
| Diethyl phthalate | 74 | | 76 | | 40-140 | 3 | | 50 |
| Dimethyl phthalate | 71 | | 73 | | 40-140 | 3 | | 50 |
| Benzo(a)anthracene | 76 | | 76 | | 40-140 | 0 | | 50 |
| Benzo(a)pyrene | 73 | | 74 | | 40-140 | 1 | | 50 |
| Benzo(b)fluoranthene | 73 | | 75 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 76 | | 76 | | 40-140 | 0 | | 50 |
| Chrysene | 73 | | 74 | | 40-140 | 1 | | 50 |
| Acenaphthylene | 79 | | 81 | | 40-140 | 3 | | 50 |
| Anthracene | 78 | | 80 | | 40-140 | 3 | | 50 |
| Benzo(ghi)perylene | 81 | | 82 | | 40-140 | 1 | | 50 |
| Fluorene | 76 | | 77 | | 40-140 | 1 | | 50 |
| Phenanthrene | 75 | | 77 | | 40-140 | 3 | | 50 |
| Dibenzo(a,h)anthracene | 82 | | 82 | | 40-140 | 0 | | 50 |
| Indeno(1,2,3-cd)pyrene | 77 | | 78 | | 40-140 | 1 | | 50 |
| Pyrene | 76 | | 79 | | 35-142 | 4 | | 50 |
| Biphenyl | 78 | | 79 | | 37-127 | 1 | | 50 |
| 4-Chloroaniline | 72 | | 69 | | 40-140 | 4 | | 50 |
| 2-Nitroaniline | 76 | | 76 | | 47-134 | 0 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12,16 Batch: WG1404603-2 WG1404603-3 | | | | | | | | |
| 3-Nitroaniline | 67 | | 68 | | 26-129 | 1 | | 50 |
| 4-Nitroaniline | 72 | | 68 | | 41-125 | 6 | | 50 |
| Dibenzofuran | 73 | | 74 | | 40-140 | 1 | | 50 |
| 2-Methylnaphthalene | 71 | | 73 | | 40-140 | 3 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 82 | | 84 | | 40-117 | 2 | | 50 |
| Acetophenone | 72 | | 72 | | 14-144 | 0 | | 50 |
| 2,4,6-Trichlorophenol | 76 | | 76 | | 30-130 | 0 | | 50 |
| p-Chloro-m-cresol | 78 | | 79 | | 26-103 | 1 | | 50 |
| 2-Chlorophenol | 76 | | 75 | | 25-102 | 1 | | 50 |
| 2,4-Dichlorophenol | 77 | | 76 | | 30-130 | 1 | | 50 |
| 2,4-Dimethylphenol | 80 | | 80 | | 30-130 | 0 | | 50 |
| 2-Nitrophenol | 74 | | 72 | | 30-130 | 3 | | 50 |
| 4-Nitrophenol | 75 | | 77 | | 11-114 | 3 | | 50 |
| 2,4-Dinitrophenol | 61 | | 66 | | 4-130 | 8 | | 50 |
| 4,6-Dinitro-o-cresol | 73 | | 73 | | 10-130 | 0 | | 50 |
| Pentachlorophenol | 65 | | 67 | | 17-109 | 3 | | 50 |
| Phenol | 75 | | 74 | | 26-90 | 1 | | 50 |
| 2-Methylphenol | 80 | | 82 | | 30-130. | 2 | | 50 |
| 3-Methylphenol/4-Methylphenol | 77 | | 76 | | 30-130 | 1 | | 50 |
| 2,4,5-Trichlorophenol | 77 | | 78 | | 30-130 | 1 | | 50 |
| Benzoic Acid | 48 | | 48 | | 10-110 | 0 | | 50 |
| Benzyl Alcohol | 78 | | 77 | | 40-140 | 1 | | 50 |
| Carbazole | 77 | | 80 | | 54-128 | 4 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12,16 Batch: WG1404603-2 WG1404603-3 | | | | | | | | |
| 1,4-Dioxane | 57 | | 56 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 75 | | 75 | | 25-120 |
| Phenol-d6 | 76 | | 77 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 78 | | 23-120 |
| 2-Fluorobiphenyl | 81 | | 82 | | 30-120 |
| 2,4,6-Tribromophenol | 82 | | 85 | | 10-136 |
| 4-Terphenyl-d14 | 77 | | 80 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1404648-2 WG1404648-3 | | | | | | | | |
| Acenaphthene | 75 | | 82 | | 31-137 | 9 | | 50 |
| 1,2,4-Trichlorobenzene | 67 | | 74 | | 38-107 | 10 | | 50 |
| Hexachlorobenzene | 71 | | 77 | | 40-140 | 8 | | 50 |
| Bis(2-chloroethyl)ether | 68 | | 76 | | 40-140 | 11 | | 50 |
| 2-Chloronaphthalene | 71 | | 76 | | 40-140 | 7 | | 50 |
| 1,2-Dichlorobenzene | 69 | | 71 | | 40-140 | 3 | | 50 |
| 1,3-Dichlorobenzene | 68 | | 72 | | 40-140 | 6 | | 50 |
| 1,4-Dichlorobenzene | 66 | | 71 | | 28-104 | 7 | | 50 |
| 3,3'-Dichlorobenzidine | 68 | | 77 | | 40-140 | 12 | | 50 |
| 2,4-Dinitrotoluene | 71 | | 78 | | 40-132 | 9 | | 50 |
| 2,6-Dinitrotoluene | 71 | | 79 | | 40-140 | 11 | | 50 |
| Fluoranthene | 68 | | 77 | | 40-140 | 12 | | 50 |
| 4-Chlorophenyl phenyl ether | 69 | | 78 | | 40-140 | 12 | | 50 |
| 4-Bromophenyl phenyl ether | 66 | | 74 | | 40-140 | 11 | | 50 |
| Bis(2-chloroisopropyl)ether | 71 | | 77 | | 40-140 | 8 | | 50 |
| Bis(2-chloroethoxy)methane | 70 | | 76 | | 40-117 | 8 | | 50 |
| Hexachlorobutadiene | 73 | | 76 | | 40-140 | 4 | | 50 |
| Hexachlorocyclopentadiene | 65 | | 71 | | 40-140 | 9 | | 50 |
| Hexachloroethane | 70 | | 73 | | 40-140 | 4 | | 50 |
| Isophorone | 72 | | 78 | | 40-140 | 8 | | 50 |
| Naphthalene | 72 | | 77 | | 40-140 | 7 | | 50 |
| Nitrobenzene | 68 | | 75 | | 40-140 | 10 | | 50 |
| NDPA/DPA | 72 | | 79 | | 36-157 | 9 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1404648-2 WG1404648-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 72 | | 79 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | 79 | | 88 | | 40-140 | 11 | | 50 |
| Butyl benzyl phthalate | 75 | | 84 | | 40-140 | 11 | | 50 |
| Di-n-butylphthalate | 75 | | 84 | | 40-140 | 11 | | 50 |
| Di-n-octylphthalate | 78 | | 87 | | 40-140 | 11 | | 50 |
| Diethyl phthalate | 72 | | 79 | | 40-140 | 9 | | 50 |
| Dimethyl phthalate | 69 | | 74 | | 40-140 | 7 | | 50 |
| Benzo(a)anthracene | 72 | | 80 | | 40-140 | 11 | | 50 |
| Benzo(a)pyrene | 72 | | 80 | | 40-140 | 11 | | 50 |
| Benzo(b)fluoranthene | 72 | | 80 | | 40-140 | 11 | | 50 |
| Benzo(k)fluoranthene | 69 | | 80 | | 40-140 | 15 | | 50 |
| Chrysene | 74 | | 82 | | 40-140 | 10 | | 50 |
| Acenaphthylene | 75 | | 83 | | 40-140 | 10 | | 50 |
| Anthracene | 74 | | 80 | | 40-140 | 8 | | 50 |
| Benzo(ghi)perylene | 72 | | 79 | | 40-140 | 9 | | 50 |
| Fluorene | 70 | | 78 | | 40-140 | 11 | | 50 |
| Phenanthrene | 71 | | 78 | | 40-140 | 9 | | 50 |
| Dibenzo(a,h)anthracene | 71 | | 77 | | 40-140 | 8 | | 50 |
| Indeno(1,2,3-cd)pyrene | 71 | | 78 | | 40-140 | 9 | | 50 |
| Pyrene | 70 | | 78 | | 35-142 | 11 | | 50 |
| Biphenyl | 73 | | 79 | | 37-127 | 8 | | 50 |
| 4-Chloroaniline | 74 | | 75 | | 40-140 | 1 | | 50 |
| 2-Nitroaniline | 71 | | 78 | | 47-134 | 9 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1404648-2 WG1404648-3 | | | | | | | | |
| 3-Nitroaniline | 61 | | 67 | | 26-129 | 9 | | 50 |
| 4-Nitroaniline | 59 | | 68 | | 41-125 | 14 | | 50 |
| Dibenzofuran | 71 | | 78 | | 40-140 | 9 | | 50 |
| 2-Methylnaphthalene | 72 | | 76 | | 40-140 | 5 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 70 | | 77 | | 40-117 | 10 | | 50 |
| Acetophenone | 72 | | 81 | | 14-144 | 12 | | 50 |
| 2,4,6-Trichlorophenol | 71 | | 78 | | 30-130 | 9 | | 50 |
| p-Chloro-m-cresol | 73 | | 79 | | 26-103 | 8 | | 50 |
| 2-Chlorophenol | 73 | | 79 | | 25-102 | 8 | | 50 |
| 2,4-Dichlorophenol | 70 | | 78 | | 30-130 | 11 | | 50 |
| 2,4-Dimethylphenol | 75 | | 83 | | 30-130 | 10 | | 50 |
| 2-Nitrophenol | 69 | | 75 | | 30-130 | 8 | | 50 |
| 4-Nitrophenol | 74 | | 68 | | 11-114 | 8 | | 50 |
| 2,4-Dinitrophenol | 59 | | 66 | | 4-130 | 11 | | 50 |
| 4,6-Dinitro-o-cresol | 63 | | 70 | | 10-130 | 11 | | 50 |
| Pentachlorophenol | 68 | | 73 | | 17-109 | 7 | | 50 |
| Phenol | 67 | | 73 | | 26-90 | 9 | | 50 |
| 2-Methylphenol | 74 | | 81 | | 30-130. | 9 | | 50 |
| 3-Methylphenol/4-Methylphenol | 71 | | 78 | | 30-130 | 9 | | 50 |
| 2,4,5-Trichlorophenol | 71 | | 77 | | 30-130 | 8 | | 50 |
| Benzoic Acid | 52 | | 60 | | 10-110 | 14 | | 50 |
| Benzyl Alcohol | 74 | | 80 | | 40-140 | 8 | | 50 |
| Carbazole | 71 | | 79 | | 54-128 | 11 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1404648-2 WG1404648-3 | | | | | | | | |
| 1,4-Dioxane | 60 | | 58 | | 40-140 | 3 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 68 | | 75 | | 25-120 |
| Phenol-d6 | 72 | | 79 | | 10-120 |
| Nitrobenzene-d5 | 77 | | 83 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 69 | | 79 | | 10-136 |
| 4-Terphenyl-d14 | 68 | | 76 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1404895-2 WG1404895-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 98 | | 98 | | 71-135 | 0 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 103 | | 103 | | 69-132 | 0 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 105 | | 106 | | 72-128 | 1 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 102 | | 103 | | 70-132 | 1 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 100 | | 100 | | 71-131 | 0 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 99 | | 97 | | 67-130 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 102 | | 101 | | 69-133 | 1 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 104 | | 101 | | 64-140 | 3 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 108 | | 102 | | 70-132 | 6 | | 30 |
| Perfluorononanoic Acid (PFNA) | 102 | | 101 | | 72-129 | 1 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 104 | | 100 | | 68-136 | 4 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 102 | | 100 | | 69-133 | 2 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 106 | | 107 | | 65-137 | 1 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 100 | | 99 | | 63-144 | 1 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 96 | | 96 | | 64-136 | 0 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 112 | | 110 | | 59-134 | 2 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 110 | | 102 | | 67-137 | 8 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 91 | | 98 | | 61-139 | 7 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 100 | | 97 | | 69-135 | 3 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 98 | | 99 | | 66-139 | 1 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 100 | | 102 | | 69-133 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|---|-----------|------|-----------|------|-----------|------|-----|--------|--|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | Limits | |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1404895-2 WG1404895-3 | | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 100 | | 98 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 108 | | 107 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 120 | | 115 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 97 | | 97 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 100 | | 103 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 116 | | 112 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 107 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 126 | | 128 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 105 | | 110 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 113 | | 114 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 102 | | 104 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 138 | | 132 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 92 | | 91 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 107 | | 107 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 6 | | 12 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 97 | | 94 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 105 | | 107 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 84 | | 84 | | 26-160 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCS %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1404939-2 WG1404939-3 | | | | | | | | |
| Acenaphthene | 69 | | 76 | | 37-111 | 10 | | 30 |
| 1,2,4-Trichlorobenzene | 62 | | 71 | | 39-98 | 14 | | 30 |
| Hexachlorobenzene | 75 | | 79 | | 40-140 | 5 | | 30 |
| Bis(2-chloroethyl)ether | 68 | | 77 | | 40-140 | 12 | | 30 |
| 2-Chloronaphthalene | 69 | | 79 | | 40-140 | 14 | | 30 |
| 1,2-Dichlorobenzene | 61 | | 70 | | 40-140 | 14 | | 30 |
| 1,3-Dichlorobenzene | 60 | | 70 | | 40-140 | 15 | | 30 |
| 1,4-Dichlorobenzene | 60 | | 69 | | 36-97 | 14 | | 30 |
| 3,3'-Dichlorobenzidine | 72 | | 76 | | 40-140 | 5 | | 30 |
| 2,4-Dinitrotoluene | 76 | | 81 | | 48-143 | 6 | | 30 |
| 2,6-Dinitrotoluene | 73 | | 81 | | 40-140 | 10 | | 30 |
| Fluoranthene | 78 | | 81 | | 40-140 | 4 | | 30 |
| 4-Chlorophenyl phenyl ether | 75 | | 80 | | 40-140 | 6 | | 30 |
| 4-Bromophenyl phenyl ether | 76 | | 85 | | 40-140 | 11 | | 30 |
| Bis(2-chloroisopropyl)ether | 59 | | 67 | | 40-140 | 13 | | 30 |
| Bis(2-chloroethoxy)methane | 69 | | 80 | | 40-140 | 15 | | 30 |
| Hexachlorobutadiene | 66 | | 73 | | 40-140 | 10 | | 30 |
| Hexachlorocyclopentadiene | 64 | | 72 | | 40-140 | 12 | | 30 |
| Hexachloroethane | 58 | | 67 | | 40-140 | 14 | | 30 |
| Isophorone | 67 | | 78 | | 40-140 | 15 | | 30 |
| Naphthalene | 66 | | 73 | | 40-140 | 10 | | 30 |
| Nitrobenzene | 65 | | 78 | | 40-140 | 18 | | 30 |
| NDPA/DPA | 78 | | 84 | | 40-140 | 7 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1404939-2 WG1404939-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 67 | | 76 | | 29-132 | 13 | | 30 |
| Bis(2-ethylhexyl)phthalate | 105 | | 110 | | 40-140 | 5 | | 30 |
| Butyl benzyl phthalate | 95 | | 100 | | 40-140 | 5 | | 30 |
| Di-n-butylphthalate | 88 | | 90 | | 40-140 | 2 | | 30 |
| Di-n-octylphthalate | 101 | | 105 | | 40-140 | 4 | | 30 |
| Diethyl phthalate | 83 | | 88 | | 40-140 | 6 | | 30 |
| Dimethyl phthalate | 78 | | 85 | | 40-140 | 9 | | 30 |
| Benzo(a)anthracene | 91 | | 93 | | 40-140 | 2 | | 30 |
| Benzo(a)pyrene | 80 | | 86 | | 40-140 | 7 | | 30 |
| Benzo(b)fluoranthene | 87 | | 95 | | 40-140 | 9 | | 30 |
| Benzo(k)fluoranthene | 82 | | 84 | | 40-140 | 2 | | 30 |
| Chrysene | 80 | | 83 | | 40-140 | 4 | | 30 |
| Acenaphthylene | 70 | | 80 | | 45-123 | 13 | | 30 |
| Anthracene | 81 | | 84 | | 40-140 | 4 | | 30 |
| Benzo(ghi)perylene | 80 | | 88 | | 40-140 | 10 | | 30 |
| Fluorene | 74 | | 80 | | 40-140 | 8 | | 30 |
| Phenanthrene | 77 | | 82 | | 40-140 | 6 | | 30 |
| Dibenzo(a,h)anthracene | 86 | | 85 | | 40-140 | 1 | | 30 |
| Indeno(1,2,3-cd)pyrene | 86 | | 89 | | 40-140 | 3 | | 30 |
| Pyrene | 77 | | 81 | | 26-127 | 5 | | 30 |
| Biphenyl | 71 | | 82 | | 40-140 | 14 | | 30 |
| 4-Chloroaniline | 60 | | 70 | | 40-140 | 15 | | 30 |
| 2-Nitroaniline | 70 | | 76 | | 52-143 | 8 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|--|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1404939-2 WG1404939-3 | | | | | | | | |
| 3-Nitroaniline | 68 | | 72 | | 25-145 | 6 | | 30 |
| 4-Nitroaniline | 73 | | 76 | | 51-143 | 4 | | 30 |
| Dibenzofuran | 71 | | 75 | | 40-140 | 5 | | 30 |
| 2-Methylnaphthalene | 68 | | 76 | | 40-140 | 11 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 69 | | 74 | | 2-134 | 7 | | 30 |
| Acetophenone | 71 | | 80 | | 39-129 | 12 | | 30 |
| 2,4,6-Trichlorophenol | 77 | | 86 | | 30-130 | 11 | | 30 |
| p-Chloro-m-cresol | 75 | | 81 | | 23-97 | 8 | | 30 |
| 2-Chlorophenol | 65 | | 71 | | 27-123 | 9 | | 30 |
| 2,4-Dichlorophenol | 69 | | 79 | | 30-130 | 14 | | 30 |
| 2,4-Dimethylphenol | 65 | | 74 | | 30-130 | 13 | | 30 |
| 2-Nitrophenol | 63 | | 74 | | 30-130 | 16 | | 30 |
| 4-Nitrophenol | 65 | | 67 | | 10-80 | 3 | | 30 |
| 2,4-Dinitrophenol | 75 | | 83 | | 20-130 | 10 | | 30 |
| 4,6-Dinitro-o-cresol | 76 | | 80 | | 20-164 | 5 | | 30 |
| Pentachlorophenol | 74 | | 78 | | 9-103 | 5 | | 30 |
| Phenol | 45 | | 51 | | 12-110 | 13 | | 30 |
| 2-Methylphenol | 61 | | 72 | | 30-130 | 17 | | 30 |
| 3-Methylphenol/4-Methylphenol | 65 | | 75 | | 30-130 | 14 | | 30 |
| 2,4,5-Trichlorophenol | 75 | | 83 | | 30-130 | 10 | | 30 |
| Benzoic Acid | 66 | | 61 | | 10-164 | 8 | | 30 |
| Benzyl Alcohol | 65 | | 72 | | 26-116 | 10 | | 30 |
| Carbazole | 81 | | 85 | | 55-144 | 5 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1404939-2 WG1404939-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 57 | | 63 | | 21-120 |
| Phenol-d6 | 46 | | 51 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 79 | | 23-120 |
| 2-Fluorobiphenyl | 72 | | 80 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 84 | | 10-120 |
| 4-Terphenyl-d14 | 82 | | 87 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1404940-2 WG1404940-3 | | | | | | | | |
| Acenaphthene | 78 | | 75 | | 40-140 | 4 | | 40 |
| 2-Chloronaphthalene | 75 | | 72 | | 40-140 | 4 | | 40 |
| Fluoranthene | 91 | | 92 | | 40-140 | 1 | | 40 |
| Hexachlorobutadiene | 73 | | 69 | | 40-140 | 6 | | 40 |
| Naphthalene | 73 | | 70 | | 40-140 | 4 | | 40 |
| Benzo(a)anthracene | 95 | | 95 | | 40-140 | 0 | | 40 |
| Benzo(a)pyrene | 95 | | 96 | | 40-140 | 1 | | 40 |
| Benzo(b)fluoranthene | 96 | | 96 | | 40-140 | 0 | | 40 |
| Benzo(k)fluoranthene | 99 | | 98 | | 40-140 | 1 | | 40 |
| Chrysene | 86 | | 85 | | 40-140 | 1 | | 40 |
| Acenaphthylene | 80 | | 76 | | 40-140 | 5 | | 40 |
| Anthracene | 85 | | 84 | | 40-140 | 1 | | 40 |
| Benzo(ghi)perylene | 90 | | 90 | | 40-140 | 0 | | 40 |
| Fluorene | 83 | | 80 | | 40-140 | 4 | | 40 |
| Phenanthrene | 83 | | 83 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 102 | | 103 | | 40-140 | 1 | | 40 |
| Indeno(1,2,3-cd)pyrene | 103 | | 104 | | 40-140 | 1 | | 40 |
| Pyrene | 95 | | 97 | | 40-140 | 2 | | 40 |
| 2-Methylnaphthalene | 76 | | 73 | | 40-140 | 4 | | 40 |
| Pentachlorophenol | 71 | | 78 | | 40-140 | 9 | | 40 |
| Hexachlorobenzene | 82 | | 81 | | 40-140 | 1 | | 40 |
| Hexachloroethane | 69 | | 67 | | 40-140 | 3 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1404940-2 WG1404940-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 48 | | 47 | | 21-120 |
| Phenol-d6 | 43 | | 42 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 70 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 64 | | 15-120 |
| 2,4,6-Tribromophenol | 68 | | 76 | | 10-120 |
| 4-Terphenyl-d14 | 97 | | 95 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-15,20,28 Batch: WG1405068-2 WG1405068-3 | | | | | | | | |
| Acenaphthene | 72 | | 69 | | 31-137 | 4 | | 50 |
| 1,2,4-Trichlorobenzene | 63 | | 60 | | 38-107 | 5 | | 50 |
| Hexachlorobenzene | 76 | | 75 | | 40-140 | 1 | | 50 |
| Bis(2-chloroethyl)ether | 67 | | 62 | | 40-140 | 8 | | 50 |
| 2-Chloronaphthalene | 69 | | 65 | | 40-140 | 6 | | 50 |
| 1,2-Dichlorobenzene | 64 | | 60 | | 40-140 | 6 | | 50 |
| 1,3-Dichlorobenzene | 65 | | 61 | | 40-140 | 6 | | 50 |
| 1,4-Dichlorobenzene | 64 | | 59 | | 28-104 | 8 | | 50 |
| 3,3'-Dichlorobenzidine | 68 | | 66 | | 40-140 | 3 | | 50 |
| 2,4-Dinitrotoluene | 73 | | 72 | | 40-132 | 1 | | 50 |
| 2,6-Dinitrotoluene | 74 | | 70 | | 40-140 | 6 | | 50 |
| Fluoranthene | 71 | | 71 | | 40-140 | 0 | | 50 |
| 4-Chlorophenyl phenyl ether | 71 | | 68 | | 40-140 | 4 | | 50 |
| 4-Bromophenyl phenyl ether | 75 | | 72 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 73 | | 70 | | 40-140 | 4 | | 50 |
| Bis(2-chloroethoxy)methane | 69 | | 66 | | 40-117 | 4 | | 50 |
| Hexachlorobutadiene | 68 | | 63 | | 40-140 | 8 | | 50 |
| Hexachlorocyclopentadiene | 59 | | 57 | | 40-140 | 3 | | 50 |
| Hexachloroethane | 62 | | 59 | | 40-140 | 5 | | 50 |
| Isophorone | 73 | | 69 | | 40-140 | 6 | | 50 |
| Naphthalene | 68 | | 65 | | 40-140 | 5 | | 50 |
| Nitrobenzene | 65 | | 64 | | 40-140 | 2 | | 50 |
| NDPA/DPA | 73 | | 69 | | 36-157 | 6 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-15,20,28 Batch: WG1405068-2 WG1405068-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 72 | | 69 | | 32-121 | 4 | | 50 |
| Bis(2-ethylhexyl)phthalate | 78 | | 76 | | 40-140 | 3 | | 50 |
| Butyl benzyl phthalate | 75 | | 74 | | 40-140 | 1 | | 50 |
| Di-n-butylphthalate | 78 | | 76 | | 40-140 | 3 | | 50 |
| Di-n-octylphthalate | 76 | | 76 | | 40-140 | 0 | | 50 |
| Diethyl phthalate | 72 | | 69 | | 40-140 | 4 | | 50 |
| Dimethyl phthalate | 70 | | 68 | | 40-140 | 3 | | 50 |
| Benzo(a)anthracene | 71 | | 70 | | 40-140 | 1 | | 50 |
| Benzo(a)pyrene | 69 | | 68 | | 40-140 | 1 | | 50 |
| Benzo(b)fluoranthene | 69 | | 71 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 69 | | 66 | | 40-140 | 4 | | 50 |
| Chrysene | 68 | | 68 | | 40-140 | 0 | | 50 |
| Acenaphthylene | 76 | | 73 | | 40-140 | 4 | | 50 |
| Anthracene | 74 | | 71 | | 40-140 | 4 | | 50 |
| Benzo(ghi)perylene | 75 | | 74 | | 40-140 | 1 | | 50 |
| Fluorene | 71 | | 70 | | 40-140 | 1 | | 50 |
| Phenanthrene | 71 | | 69 | | 40-140 | 3 | | 50 |
| Dibenzo(a,h)anthracene | 76 | | 74 | | 40-140 | 3 | | 50 |
| Indeno(1,2,3-cd)pyrene | 75 | | 70 | | 40-140 | 7 | | 50 |
| Pyrene | 72 | | 72 | | 35-142 | 0 | | 50 |
| Biphenyl | 75 | | 72 | | 37-127 | 4 | | 50 |
| 4-Chloroaniline | 57 | | 52 | | 40-140 | 9 | | 50 |
| 2-Nitroaniline | 72 | | 70 | | 47-134 | 3 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-15,20,28 Batch: WG1405068-2 WG1405068-3 | | | | | | | | |
| 3-Nitroaniline | 65 | | 62 | | 26-129 | 5 | | 50 |
| 4-Nitroaniline | 66 | | 64 | | 41-125 | 3 | | 50 |
| Dibenzofuran | 70 | | 68 | | 40-140 | 3 | | 50 |
| 2-Methylnaphthalene | 69 | | 65 | | 40-140 | 6 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 78 | | 76 | | 40-117 | 3 | | 50 |
| Acetophenone | 66 | | 62 | | 14-144 | 6 | | 50 |
| 2,4,6-Trichlorophenol | 74 | | 71 | | 30-130 | 4 | | 50 |
| p-Chloro-m-cresol | 76 | | 73 | | 26-103 | 4 | | 50 |
| 2-Chlorophenol | 71 | | 67 | | 25-102 | 6 | | 50 |
| 2,4-Dichlorophenol | 74 | | 68 | | 30-130 | 8 | | 50 |
| 2,4-Dimethylphenol | 77 | | 74 | | 30-130 | 4 | | 50 |
| 2-Nitrophenol | 68 | | 64 | | 30-130 | 6 | | 50 |
| 4-Nitrophenol | 78 | | 75 | | 11-114 | 4 | | 50 |
| 2,4-Dinitrophenol | 68 | | 67 | | 4-130 | 1 | | 50 |
| 4,6-Dinitro-o-cresol | 71 | | 69 | | 10-130 | 3 | | 50 |
| Pentachlorophenol | 64 | | 61 | | 17-109 | 5 | | 50 |
| Phenol | 68 | | 63 | | 26-90 | 8 | | 50 |
| 2-Methylphenol | 77 | | 70 | | 30-130. | 10 | | 50 |
| 3-Methylphenol/4-Methylphenol | 74 | | 70 | | 30-130 | 6 | | 50 |
| 2,4,5-Trichlorophenol | 75 | | 73 | | 30-130 | 3 | | 50 |
| Benzoic Acid | 74 | | 67 | | 10-110 | 10 | | 50 |
| Benzyl Alcohol | 74 | | 69 | | 40-140 | 7 | | 50 |
| Carbazole | 73 | | 72 | | 54-128 | 1 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-15,20,28 Batch: WG1405068-2 WG1405068-3 | | | | | | | | |
| 1,4-Dioxane | 50 | | 46 | | 40-140 | 8 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 70 | | 67 | | 25-120 |
| Phenol-d6 | 73 | | 67 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 70 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 73 | | 30-120 |
| 2,4,6-Tribromophenol | 81 | | 76 | | 10-136 |
| 4-Terphenyl-d14 | 74 | | 74 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1405442-2 WG1405442-3 | | | | | | | | |
| Acenaphthene | 76 | | 82 | | 31-137 | 8 | | 50 |
| 1,2,4-Trichlorobenzene | 78 | | 84 | | 38-107 | 7 | | 50 |
| Hexachlorobenzene | 81 | | 89 | | 40-140 | 9 | | 50 |
| Bis(2-chloroethyl)ether | 75 | | 79 | | 40-140 | 5 | | 50 |
| 2-Chloronaphthalene | 77 | | 85 | | 40-140 | 10 | | 50 |
| 1,2-Dichlorobenzene | 75 | | 74 | | 40-140 | 1 | | 50 |
| 1,3-Dichlorobenzene | 70 | | 69 | | 40-140 | 1 | | 50 |
| 1,4-Dichlorobenzene | 72 | | 72 | | 28-104 | 0 | | 50 |
| 3,3'-Dichlorobenzidine | 58 | | 74 | | 40-140 | 24 | | 50 |
| 2,4-Dinitrotoluene | 76 | | 87 | | 40-132 | 13 | | 50 |
| 2,6-Dinitrotoluene | 82 | | 90 | | 40-140 | 9 | | 50 |
| Fluoranthene | 81 | | 90 | | 40-140 | 11 | | 50 |
| 4-Chlorophenyl phenyl ether | 78 | | 82 | | 40-140 | 5 | | 50 |
| 4-Bromophenyl phenyl ether | 76 | | 85 | | 40-140 | 11 | | 50 |
| Bis(2-chloroisopropyl)ether | 92 | | 87 | | 40-140 | 6 | | 50 |
| Bis(2-chloroethoxy)methane | 78 | | 84 | | 40-117 | 7 | | 50 |
| Hexachlorobutadiene | 81 | | 84 | | 40-140 | 4 | | 50 |
| Hexachlorocyclopentadiene | 69 | | 78 | | 40-140 | 12 | | 50 |
| Hexachloroethane | 78 | | 78 | | 40-140 | 0 | | 50 |
| Isophorone | 81 | | 90 | | 40-140 | 11 | | 50 |
| Naphthalene | 76 | | 80 | | 40-140 | 5 | | 50 |
| Nitrobenzene | 81 | | 88 | | 40-140 | 8 | | 50 |
| NDPA/DPA | 78 | | 85 | | 36-157 | 9 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1405442-2 WG1405442-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 83 | | 91 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | 80 | | 86 | | 40-140 | 7 | | 50 |
| Butyl benzyl phthalate | 84 | | 95 | | 40-140 | 12 | | 50 |
| Di-n-butylphthalate | 78 | | 87 | | 40-140 | 11 | | 50 |
| Di-n-octylphthalate | 82 | | 90 | | 40-140 | 9 | | 50 |
| Diethyl phthalate | 76 | | 82 | | 40-140 | 8 | | 50 |
| Dimethyl phthalate | 77 | | 88 | | 40-140 | 13 | | 50 |
| Benzo(a)anthracene | 78 | | 86 | | 40-140 | 10 | | 50 |
| Benzo(a)pyrene | 79 | | 89 | | 40-140 | 12 | | 50 |
| Benzo(b)fluoranthene | 82 | | 92 | | 40-140 | 11 | | 50 |
| Benzo(k)fluoranthene | 78 | | 88 | | 40-140 | 12 | | 50 |
| Chrysene | 79 | | 85 | | 40-140 | 7 | | 50 |
| Acenaphthylene | 83 | | 93 | | 40-140 | 11 | | 50 |
| Anthracene | 80 | | 89 | | 40-140 | 11 | | 50 |
| Benzo(ghi)perylene | 77 | | 86 | | 40-140 | 11 | | 50 |
| Fluorene | 80 | | 85 | | 40-140 | 6 | | 50 |
| Phenanthrene | 79 | | 85 | | 40-140 | 7 | | 50 |
| Dibenzo(a,h)anthracene | 77 | | 85 | | 40-140 | 10 | | 50 |
| Indeno(1,2,3-cd)pyrene | 76 | | 85 | | 40-140 | 11 | | 50 |
| Pyrene | 84 | | 92 | | 35-142 | 9 | | 50 |
| Biphenyl | 75 | | 83 | | 37-127 | 10 | | 50 |
| 4-Chloroaniline | 63 | | 74 | | 40-140 | 16 | | 50 |
| 2-Nitroaniline | 80 | | 93 | | 47-134 | 15 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1405442-2 WG1405442-3 | | | | | | | | |
| 3-Nitroaniline | 62 | | 73 | | 26-129 | 16 | | 50 |
| 4-Nitroaniline | 69 | | 79 | | 41-125 | 14 | | 50 |
| Dibenzofuran | 77 | | 83 | | 40-140 | 8 | | 50 |
| 2-Methylnaphthalene | 76 | | 84 | | 40-140 | 10 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 79 | | 85 | | 40-117 | 7 | | 50 |
| Acetophenone | 76 | | 84 | | 14-144 | 10 | | 50 |
| 2,4,6-Trichlorophenol | 79 | | 88 | | 30-130 | 11 | | 50 |
| p-Chloro-m-cresol | 86 | | 92 | | 26-103 | 7 | | 50 |
| 2-Chlorophenol | 78 | | 83 | | 25-102 | 6 | | 50 |
| 2,4-Dichlorophenol | 80 | | 93 | | 30-130 | 15 | | 50 |
| 2,4-Dimethylphenol | 90 | | 97 | | 30-130 | 7 | | 50 |
| 2-Nitrophenol | 80 | | 86 | | 30-130 | 7 | | 50 |
| 4-Nitrophenol | 87 | | 96 | | 11-114 | 10 | | 50 |
| 2,4-Dinitrophenol | 63 | | 80 | | 4-130 | 24 | | 50 |
| 4,6-Dinitro-o-cresol | 67 | | 80 | | 10-130 | 18 | | 50 |
| Pentachlorophenol | 59 | | 71 | | 17-109 | 18 | | 50 |
| Phenol | 81 | | 90 | | 26-90 | 11 | | 50 |
| 2-Methylphenol | 83 | | 92 | | 30-130. | 10 | | 50 |
| 3-Methylphenol/4-Methylphenol | 81 | | 91 | | 30-130 | 12 | | 50 |
| 2,4,5-Trichlorophenol | 83 | | 96 | | 30-130 | 15 | | 50 |
| Benzoic Acid | 54 | | 64 | | 10-110 | 17 | | 50 |
| Benzyl Alcohol | 94 | | 98 | | 40-140 | 4 | | 50 |
| Carbazole | 83 | | 90 | | 54-128 | 8 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1405442-2 WG1405442-3 | | | | | | | | |
| 1,4-Dioxane | 54 | | 48 | | 40-140 | 12 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 77 | | 78 | | 25-120 |
| Phenol-d6 | 75 | | 84 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 93 | | 23-120 |
| 2-Fluorobiphenyl | 82 | | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 71 | | 83 | | 10-136 |
| 4-Terphenyl-d14 | 76 | | 83 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19,21-22,24-27,29 Batch: WG1405449-2 WG1405449-3 | | | | | | | | |
| Acenaphthene | 66 | | 82 | | 31-137 | 22 | | 50 |
| 1,2,4-Trichlorobenzene | 62 | | 74 | | 38-107 | 18 | | 50 |
| Hexachlorobenzene | 68 | | 86 | | 40-140 | 23 | | 50 |
| Bis(2-chloroethyl)ether | 67 | | 79 | | 40-140 | 16 | | 50 |
| 2-Chloronaphthalene | 66 | | 81 | | 40-140 | 20 | | 50 |
| 1,2-Dichlorobenzene | 64 | | 74 | | 40-140 | 14 | | 50 |
| 1,3-Dichlorobenzene | 62 | | 75 | | 40-140 | 19 | | 50 |
| 1,4-Dichlorobenzene | 61 | | 74 | | 28-104 | 19 | | 50 |
| 3,3'-Dichlorobenzidine | 62 | | 76 | | 40-140 | 20 | | 50 |
| 2,4-Dinitrotoluene | 66 | | 84 | | 40-132 | 24 | | 50 |
| 2,6-Dinitrotoluene | 71 | | 84 | | 40-140 | 17 | | 50 |
| Fluoranthene | 68 | | 84 | | 40-140 | 21 | | 50 |
| 4-Chlorophenyl phenyl ether | 62 | | 79 | | 40-140 | 24 | | 50 |
| 4-Bromophenyl phenyl ether | 66 | | 81 | | 40-140 | 20 | | 50 |
| Bis(2-chloroisopropyl)ether | 75 | | 91 | | 40-140 | 19 | | 50 |
| Bis(2-chloroethoxy)methane | 68 | | 82 | | 40-117 | 19 | | 50 |
| Hexachlorobutadiene | 64 | | 80 | | 40-140 | 22 | | 50 |
| Hexachlorocyclopentadiene | 57 | | 69 | | 40-140 | 19 | | 50 |
| Hexachloroethane | 62 | | 73 | | 40-140 | 16 | | 50 |
| Isophorone | 71 | | 86 | | 40-140 | 19 | | 50 |
| Naphthalene | 66 | | 80 | | 40-140 | 19 | | 50 |
| Nitrobenzene | 67 | | 80 | | 40-140 | 18 | | 50 |
| NDPA/DPA | 65 | | 81 | | 36-157 | 22 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|---|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19,21-22,24-27,29 Batch: WG1405449-2 WG1405449-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 71 | | 86 | | 32-121 | | | 50 |
| Bis(2-ethylhexyl)phthalate | 80 | | 90 | | 40-140 | | | 50 |
| Butyl benzyl phthalate | 74 | | 89 | | 40-140 | | | 50 |
| Di-n-butylphthalate | 76 | | 89 | | 40-140 | | | 50 |
| Di-n-octylphthalate | 75 | | 88 | | 40-140 | | | 50 |
| Diethyl phthalate | 66 | | 81 | | 40-140 | | | 50 |
| Dimethyl phthalate | 67 | | 81 | | 40-140 | | | 50 |
| Benzo(a)anthracene | 70 | | 85 | | 40-140 | | | 50 |
| Benzo(a)pyrene | 66 | | 79 | | 40-140 | | | 50 |
| Benzo(b)fluoranthene | 63 | | 78 | | 40-140 | | | 50 |
| Benzo(k)fluoranthene | 71 | | 85 | | 40-140 | | | 50 |
| Chrysene | 68 | | 82 | | 40-140 | | | 50 |
| Acenaphthylene | 74 | | 90 | | 40-140 | | | 50 |
| Anthracene | 71 | | 86 | | 40-140 | | | 50 |
| Benzo(ghi)perylene | 70 | | 88 | | 40-140 | | | 50 |
| Fluorene | 64 | | 80 | | 40-140 | | | 50 |
| Phenanthrene | 68 | | 84 | | 40-140 | | | 50 |
| Dibenzo(a,h)anthracene | 68 | | 88 | | 40-140 | | | 50 |
| Indeno(1,2,3-cd)pyrene | 68 | | 87 | | 40-140 | | | 50 |
| Pyrene | 71 | | 86 | | 35-142 | | | 50 |
| Biphenyl | 72 | | 89 | | 37-127 | | | 50 |
| 4-Chloroaniline | 54 | | 70 | | 40-140 | | | 50 |
| 2-Nitroaniline | 69 | | 84 | | 47-134 | | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19,21-22,24-27,29 Batch: WG1405449-2 WG1405449-3 | | | | | | | | |
| 3-Nitroaniline | 57 | | 70 | | 26-129 | 20 | | 50 |
| 4-Nitroaniline | 57 | | 76 | | 41-125 | 29 | | 50 |
| Dibenzofuran | 64 | | 80 | | 40-140 | 22 | | 50 |
| 2-Methylnaphthalene | 67 | | 82 | | 40-140 | 20 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 76 | | 92 | | 40-117 | 19 | | 50 |
| Acetophenone | 65 | | 80 | | 14-144 | 21 | | 50 |
| 2,4,6-Trichlorophenol | 72 | | 86 | | 30-130 | 18 | | 50 |
| p-Chloro-m-cresol | 73 | | 87 | | 26-103 | 18 | | 50 |
| 2-Chlorophenol | 69 | | 85 | | 25-102 | 21 | | 50 |
| 2,4-Dichlorophenol | 70 | | 85 | | 30-130 | 19 | | 50 |
| 2,4-Dimethylphenol | 72 | | 89 | | 30-130 | 21 | | 50 |
| 2-Nitrophenol | 66 | | 81 | | 30-130 | 20 | | 50 |
| 4-Nitrophenol | 70 | | 91 | | 11-114 | 26 | | 50 |
| 2,4-Dinitrophenol | 61 | | 78 | | 4-130 | 24 | | 50 |
| 4,6-Dinitro-o-cresol | 63 | | 81 | | 10-130 | 25 | | 50 |
| Pentachlorophenol | 57 | | 72 | | 17-109 | 23 | | 50 |
| Phenol | 66 | | 81 | | 26-90 | 20 | | 50 |
| 2-Methylphenol | 72 | | 87 | | 30-130 | 19 | | 50 |
| 3-Methylphenol/4-Methylphenol | 70 | | 85 | | 30-130 | 19 | | 50 |
| 2,4,5-Trichlorophenol | 71 | | 87 | | 30-130 | 20 | | 50 |
| Benzoic Acid | 60 | | 72 | | 10-110 | 18 | | 50 |
| Benzyl Alcohol | 73 | | 88 | | 40-140 | 19 | | 50 |
| Carbazole | 71 | | 86 | | 54-128 | 19 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19,21-22,24-27,29 Batch: WG1405449-2 WG1405449-3 | | | | | | | | |
| 1,4-Dioxane | 49 | | 56 | | 40-140 | 13 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 68 | | 81 | | 25-120 |
| Phenol-d6 | 69 | | 84 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 85 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 86 | | 30-120 |
| 2,4,6-Tribromophenol | 70 | | 88 | | 10-136 |
| 4-Terphenyl-d14 | 70 | | 84 | | 18-120 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 Batch: WG1405766-2 WG1405766-3 | | | | | | | | |
| Acenaphthene | 69 | | 60 | | 31-137 | 14 | | 50 |
| 1,2,4-Trichlorobenzene | 61 | | 54 | | 38-107 | 12 | | 50 |
| Hexachlorobenzene | 58 | | 50 | | 40-140 | 15 | | 50 |
| Bis(2-chloroethyl)ether | 68 | | 63 | | 40-140 | 8 | | 50 |
| 2-Chloronaphthalene | 65 | | 57 | | 40-140 | 13 | | 50 |
| 1,2-Dichlorobenzene | 59 | | 57 | | 40-140 | 3 | | 50 |
| 1,3-Dichlorobenzene | 59 | | 56 | | 40-140 | 5 | | 50 |
| 1,4-Dichlorobenzene | 58 | | 56 | | 28-104 | 4 | | 50 |
| 3,3'-Dichlorobenzidine | 62 | | 54 | | 40-140 | 14 | | 50 |
| 2,4-Dinitrotoluene | 67 | | 60 | | 40-132 | 11 | | 50 |
| 2,6-Dinitrotoluene | 66 | | 59 | | 40-140 | 11 | | 50 |
| Fluoranthene | 64 | | 57 | | 40-140 | 12 | | 50 |
| 4-Chlorophenyl phenyl ether | 61 | | 55 | | 40-140 | 10 | | 50 |
| 4-Bromophenyl phenyl ether | 61 | | 53 | | 40-140 | 14 | | 50 |
| Bis(2-chloroisopropyl)ether | 84 | | 77 | | 40-140 | 9 | | 50 |
| Bis(2-chloroethoxy)methane | 71 | | 64 | | 40-117 | 10 | | 50 |
| Hexachlorobutadiene | 61 | | 54 | | 40-140 | 12 | | 50 |
| Hexachlorocyclopentadiene | 51 | | 45 | | 40-140 | 13 | | 50 |
| Hexachloroethane | 63 | | 61 | | 40-140 | 3 | | 50 |
| Isophorone | 76 | | 68 | | 40-140 | 11 | | 50 |
| Naphthalene | 64 | | 59 | | 40-140 | 8 | | 50 |
| Nitrobenzene | 79 | | 74 | | 40-140 | 7 | | 50 |
| NDPA/DPA | 65 | | 58 | | 36-157 | 11 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 Batch: WG1405766-2 WG1405766-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 77 | | 67 | | 32-121 | 14 | | 50 |
| Bis(2-ethylhexyl)phthalate | 69 | | 61 | | 40-140 | 12 | | 50 |
| Butyl benzyl phthalate | 67 | | 59 | | 40-140 | 13 | | 50 |
| Di-n-butylphthalate | 66 | | 58 | | 40-140 | 13 | | 50 |
| Di-n-octylphthalate | 68 | | 60 | | 40-140 | 13 | | 50 |
| Diethyl phthalate | 64 | | 56 | | 40-140 | 13 | | 50 |
| Dimethyl phthalate | 63 | | 56 | | 40-140 | 12 | | 50 |
| Benzo(a)anthracene | 69 | | 62 | | 40-140 | 11 | | 50 |
| Benzo(a)pyrene | 71 | | 65 | | 40-140 | 9 | | 50 |
| Benzo(b)fluoranthene | 70 | | 64 | | 40-140 | 9 | | 50 |
| Benzo(k)fluoranthene | 67 | | 61 | | 40-140 | 9 | | 50 |
| Chrysene | 68 | | 62 | | 40-140 | 9 | | 50 |
| Acenaphthylene | 71 | | 63 | | 40-140 | 12 | | 50 |
| Anthracene | 69 | | 62 | | 40-140 | 11 | | 50 |
| Benzo(ghi)perylene | 70 | | 64 | | 40-140 | 9 | | 50 |
| Fluorene | 65 | | 59 | | 40-140 | 10 | | 50 |
| Phenanthrene | 66 | | 59 | | 40-140 | 11 | | 50 |
| Dibenzo(a,h)anthracene | 69 | | 61 | | 40-140 | 12 | | 50 |
| Indeno(1,2,3-cd)pyrene | 68 | | 60 | | 40-140 | 13 | | 50 |
| Pyrene | 66 | | 58 | | 35-142 | 13 | | 50 |
| Biphenyl | 65 | | 58 | | 37-127 | 11 | | 50 |
| 4-Chloroaniline | 74 | | 67 | | 40-140 | 10 | | 50 |
| 2-Nitroaniline | 79 | | 71 | | 47-134 | 11 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 Batch: WG1405766-2 WG1405766-3 | | | | | | | | |
| 3-Nitroaniline | 68 | | 63 | | 26-129 | 8 | | 50 |
| 4-Nitroaniline | 70 | | 62 | | 41-125 | 12 | | 50 |
| Dibenzofuran | 64 | | 58 | | 40-140 | 10 | | 50 |
| 2-Methylnaphthalene | 65 | | 59 | | 40-140 | 10 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 61 | | 55 | | 40-117 | 10 | | 50 |
| Acetophenone | 69 | | 63 | | 14-144 | 9 | | 50 |
| 2,4,6-Trichlorophenol | 68 | | 60 | | 30-130 | 13 | | 50 |
| p-Chloro-m-cresol | 78 | | 69 | | 26-103 | 12 | | 50 |
| 2-Chlorophenol | 69 | | 63 | | 25-102 | 9 | | 50 |
| 2,4-Dichlorophenol | 72 | | 64 | | 30-130 | 12 | | 50 |
| 2,4-Dimethylphenol | 89 | | 80 | | 30-130 | 11 | | 50 |
| 2-Nitrophenol | 80 | | 72 | | 30-130 | 11 | | 50 |
| 4-Nitrophenol | 96 | | 84 | | 11-114 | 13 | | 50 |
| 2,4-Dinitrophenol | 78 | | 68 | | 4-130 | 14 | | 50 |
| 4,6-Dinitro-o-cresol | 73 | | 66 | | 10-130 | 10 | | 50 |
| Pentachlorophenol | 52 | | 46 | | 17-109 | 12 | | 50 |
| Phenol | 71 | | 63 | | 26-90 | 12 | | 50 |
| 2-Methylphenol | 76 | | 69 | | 30-130. | 10 | | 50 |
| 3-Methylphenol/4-Methylphenol | 77 | | 68 | | 30-130 | 12 | | 50 |
| 2,4,5-Trichlorophenol | 68 | | 62 | | 30-130 | 9 | | 50 |
| Benzoic Acid | 60 | | 54 | | 10-110 | 11 | | 50 |
| Benzyl Alcohol | 84 | | 76 | | 40-140 | 10 | | 50 |
| Carbazole | 69 | | 61 | | 54-128 | 12 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 Batch: WG1405766-2 WG1405766-3 | | | | | | | | |
| 1,4-Dioxane | 56 | | 55 | | 40-140 | 2 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 67 | | 62 | | 25-120 |
| Phenol-d6 | 72 | | 65 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 79 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 61 | | 30-120 |
| 2,4,6-Tribromophenol | 54 | | 48 | | 10-136 |
| 4-Terphenyl-d14 | 58 | | 52 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 23 Batch: WG1405864-2 WG1405864-3 | | | | | | | | |
| Acenaphthene | 69 | | 72 | | 40-140 | 4 | | 40 |
| 2-Chloronaphthalene | 62 | | 67 | | 40-140 | 8 | | 40 |
| Fluoranthene | 81 | | 80 | | 40-140 | 1 | | 40 |
| Hexachlorobutadiene | 48 | | 55 | | 40-140 | 14 | | 40 |
| Naphthalene | 57 | | 64 | | 40-140 | 12 | | 40 |
| Benzo(a)anthracene | 74 | | 75 | | 40-140 | 1 | | 40 |
| Benzo(a)pyrene | 78 | | 80 | | 40-140 | 3 | | 40 |
| Benzo(b)fluoranthene | 71 | | 74 | | 40-140 | 4 | | 40 |
| Benzo(k)fluoranthene | 78 | | 82 | | 40-140 | 5 | | 40 |
| Chrysene | 75 | | 77 | | 40-140 | 3 | | 40 |
| Acenaphthylene | 76 | | 81 | | 40-140 | 6 | | 40 |
| Anthracene | 78 | | 78 | | 40-140 | 0 | | 40 |
| Benzo(ghi)perylene | 94 | | 98 | | 40-140 | 4 | | 40 |
| Fluorene | 73 | | 74 | | 40-140 | 1 | | 40 |
| Phenanthrene | 74 | | 74 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 95 | | 101 | | 40-140 | 6 | | 40 |
| Indeno(1,2,3-cd)pyrene | 93 | | 96 | | 40-140 | 3 | | 40 |
| Pyrene | 82 | | 82 | | 40-140 | 0 | | 40 |
| 2-Methylnaphthalene | 64 | | 68 | | 40-140 | 6 | | 40 |
| Pentachlorophenol | 69 | | 79 | | 40-140 | 14 | | 40 |
| Hexachlorobenzene | 64 | | 65 | | 40-140 | 2 | | 40 |
| Hexachloroethane | 51 | | 59 | | 40-140 | 15 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 23 Batch: WG1405864-2 WG1405864-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 52 | | 57 | | 21-120 |
| Phenol-d6 | 51 | | 55 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 73 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 70 | | 15-120 |
| 2,4,6-Tribromophenol | 77 | | 75 | | 10-120 |
| 4-Terphenyl-d14 | 106 | | 106 | | 41-149 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 05,23 Batch: WG1406068-2 WG1406068-3 | | | | | | | | |
| 1,4-Dioxane | 117 | | 110 | | 40-140 | 6 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 64 | | 48 | | 15-110 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|--|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1406137-2 WG1406137-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 96 | | 96 | | 67-148 | 0 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 100 | | 100 | | 63-161 | 0 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 98 | | 96 | | 65-157 | 2 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 103 | | 99 | | 69-168 | 4 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 96 | | 95 | | 58-159 | 1 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 100 | | 94 | | 69-177 | 6 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 92 | | 92 | | 63-159 | 0 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 97 | | 103 | | 49-187 | 6 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 92 | | 93 | | 61-179 | 1 | | 30 |
| Perfluorononanoic Acid (PFNA) | 95 | | 95 | | 68-171 | 0 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 99 | | 98 | | 52-151 | 1 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 105 | | 105 | | 63-171 | 0 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 97 | | 96 | | 56-173 | 1 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 97 | | 101 | | 60-166 | 4 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 99 | | 97 | | 60-153 | 2 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 89 | | 88 | | 38-156 | 1 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 103 | | 100 | | 46-170 | 3 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 103 | | 98 | | 45-170 | 5 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 89 | | 90 | | 67-153 | 1 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 91 | | 93 | | 48-158 | 2 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 100 | | 98 | | 59-182 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|--|-----------|------|-----------|------|-----------|------|-----|--------|--|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | Limits | |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 05 Batch: WG1406137-2 WG1406137-3 | | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 89 | | 92 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 107 | | 111 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 98 | | 102 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 84 | | 90 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 90 | | 92 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 94 | | 102 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 91 | | 94 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 73 | | 74 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 100 | | 104 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 95 | | 99 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 86 | | 89 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 73 | | 76 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65 | | 65 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 87 | | 95 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 29 | | 31 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 75 | | 80 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 92 | | 94 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 78 | | 83 | | 33-143 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 36-38 Batch: WG1406182-2 WG1406182-3 | | | | | | | | |
| Acenaphthene | 55 | | 56 | | 31-137 | 2 | | 50 |
| 1,2,4-Trichlorobenzene | 65 | | 66 | | 38-107 | 2 | | 50 |
| Hexachlorobenzene | 50 | | 51 | | 40-140 | 2 | | 50 |
| Bis(2-chloroethyl)ether | 67 | | 69 | | 40-140 | 3 | | 50 |
| 2-Chloronaphthalene | 62 | | 63 | | 40-140 | 2 | | 50 |
| 1,2-Dichlorobenzene | 61 | | 64 | | 40-140 | 5 | | 50 |
| 1,3-Dichlorobenzene | 61 | | 65 | | 40-140 | 6 | | 50 |
| 1,4-Dichlorobenzene | 60 | | 62 | | 28-104 | 3 | | 50 |
| 3,3'-Dichlorobenzidine | 53 | | 58 | | 40-140 | 9 | | 50 |
| 2,4-Dinitrotoluene | 63 | | 65 | | 40-132 | 3 | | 50 |
| 2,6-Dinitrotoluene | 68 | | 69 | | 40-140 | 1 | | 50 |
| Fluoranthene | 56 | | 58 | | 40-140 | 4 | | 50 |
| 4-Chlorophenyl phenyl ether | 58 | | 60 | | 40-140 | 3 | | 50 |
| 4-Bromophenyl phenyl ether | 54 | | 56 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 63 | | 65 | | 40-140 | 3 | | 50 |
| Bis(2-chloroethoxy)methane | 76 | | 75 | | 40-117 | 1 | | 50 |
| Hexachlorobutadiene | 55 | | 57 | | 40-140 | 4 | | 50 |
| Hexachlorocyclopentadiene | 60 | | 62 | | 40-140 | 3 | | 50 |
| Hexachloroethane | 56 | | 58 | | 40-140 | 4 | | 50 |
| Isophorone | 71 | | 71 | | 40-140 | 0 | | 50 |
| Naphthalene | 59 | | 62 | | 40-140 | 5 | | 50 |
| Nitrobenzene | 76 | | 78 | | 40-140 | 3 | | 50 |
| NDPA/DPA | 58 | | 61 | | 36-157 | 5 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|---------------------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 36-38 Batch: WG1406182-2 WG1406182-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 71 | | 72 | | 32-121 | 1 | | 50 |
| Bis(2-ethylhexyl)phthalate | 68 | | 72 | | 40-140 | 6 | | 50 |
| Butyl benzyl phthalate | 64 | | 69 | | 40-140 | 8 | | 50 |
| Di-n-butylphthalate | 63 | | 65 | | 40-140 | 3 | | 50 |
| Di-n-octylphthalate | 70 | | 74 | | 40-140 | 6 | | 50 |
| Diethyl phthalate | 58 | | 59 | | 40-140 | 2 | | 50 |
| Dimethyl phthalate | 64 | | 64 | | 40-140 | 0 | | 50 |
| Benzo(a)anthracene | 63 | | 66 | | 40-140 | 5 | | 50 |
| Benzo(a)pyrene | 54 | | 58 | | 40-140 | 7 | | 50 |
| Benzo(b)fluoranthene | 64 | | 68 | | 40-140 | 6 | | 50 |
| Benzo(k)fluoranthene | 48 | | 52 | | 40-140 | 8 | | 50 |
| Chrysene | 53 | | 55 | | 40-140 | 4 | | 50 |
| Acenaphthylene | 65 | | 66 | | 40-140 | 2 | | 50 |
| Anthracene | 58 | | 60 | | 40-140 | 3 | | 50 |
| Benzo(ghi)perylene | 57 | | 61 | | 40-140 | 7 | | 50 |
| Fluorene | 56 | | 59 | | 40-140 | 5 | | 50 |
| Phenanthrene | 56 | | 60 | | 40-140 | 7 | | 50 |
| Dibenzo(a,h)anthracene | 61 | | 65 | | 40-140 | 6 | | 50 |
| Indeno(1,2,3-cd)pyrene | 60 | | 64 | | 40-140 | 6 | | 50 |
| Pyrene | 56 | | 59 | | 35-142 | 5 | | 50 |
| Biphenyl | 63 | | 63 | | 37-127 | 0 | | 50 |
| 4-Chloroaniline | 50 | | 53 | | 40-140 | 6 | | 50 |
| 2-Nitroaniline | 67 | | 67 | | 47-134 | 0 | | 50 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 36-38 Batch: WG1406182-2 WG1406182-3 | | | | | | | | |
| 3-Nitroaniline | 53 | | 55 | | 26-129 | 4 | | 50 |
| 4-Nitroaniline | 61 | | 62 | | 41-125 | 2 | | 50 |
| Dibenzofuran | 57 | | 58 | | 40-140 | 2 | | 50 |
| 2-Methylnaphthalene | 67 | | 68 | | 40-140 | 1 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 57 | | 59 | | 40-117 | 3 | | 50 |
| Acetophenone | 73 | | 74 | | 14-144 | 1 | | 50 |
| 2,4,6-Trichlorophenol | 73 | | 74 | | 30-130 | 1 | | 50 |
| p-Chloro-m-cresol | 70 | | 71 | | 26-103 | 1 | | 50 |
| 2-Chlorophenol | 71 | | 70 | | 25-102 | 1 | | 50 |
| 2,4-Dichlorophenol | 74 | | 74 | | 30-130 | 0 | | 50 |
| 2,4-Dimethylphenol | 80 | | 79 | | 30-130 | 1 | | 50 |
| 2-Nitrophenol | 75 | | 75 | | 30-130 | 0 | | 50 |
| 4-Nitrophenol | 61 | | 64 | | 11-114 | 5 | | 50 |
| 2,4-Dinitrophenol | 63 | | 65 | | 4-130 | 3 | | 50 |
| 4,6-Dinitro-o-cresol | 58 | | 60 | | 10-130 | 3 | | 50 |
| Pentachlorophenol | 55 | | 56 | | 17-109 | 2 | | 50 |
| Phenol | 78 | | 78 | | 26-90 | 0 | | 50 |
| 2-Methylphenol | 74 | | 73 | | 30-130. | 1 | | 50 |
| 3-Methylphenol/4-Methylphenol | 80 | | 78 | | 30-130 | 3 | | 50 |
| 2,4,5-Trichlorophenol | 63 | | 65 | | 30-130 | 3 | | 50 |
| Benzoic Acid | 64 | | 64 | | 10-110 | 0 | | 50 |
| Benzyl Alcohol | 83 | | 82 | | 40-140 | 1 | | 50 |
| Carbazole | 58 | | 62 | | 54-128 | 7 | | 50 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 36-38 Batch: WG1406182-2 WG1406182-3 | | | | | | | | |
| 1,4-Dioxane | 36 | Q | 38 | Q | 40-140 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 65 | | 68 | | 25-120 |
| Phenol-d6 | 70 | | 69 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 79 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 47 | | 48 | | 10-136 |
| 4-Terphenyl-d14 | 55 | | 60 | | 18-120 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 18-19,21,24-25,31-34,36-38 Batch: WG1406585-2 WG1406585-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 94 | | 95 | | 71-135 | 1 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 97 | | 99 | | 69-132 | 2 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 92 | | 97 | | 72-128 | 5 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 99 | | 99 | | 70-132 | 0 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 92 | | 95 | | 71-131 | 3 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 97 | | 95 | | 67-130 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 88 | | 90 | | 69-133 | 2 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 94 | | 98 | | 64-140 | 4 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 92 | | 89 | | 70-132 | 3 | | 30 |
| Perfluorononanoic Acid (PFNA) | 96 | | 95 | | 72-129 | 1 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 93 | | 96 | | 68-136 | 3 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 97 | | 101 | | 69-133 | 4 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 89 | | 91 | | 65-137 | 2 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 85 | | 83 | | 63-144 | 2 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 97 | | 96 | | 64-136 | 1 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 81 | | 89 | | 59-134 | 9 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 59 | Q | 96 | | 67-137 | 48 | Q | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 86 | | 106 | | 61-139 | 21 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 92 | | 93 | | 69-135 | 1 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 89 | | 97 | | 66-139 | 9 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 98 | | 96 | | 69-133 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 18-19,21,24-25,31-34,36-38 Batch: WG1406585-2 WG1406585-3

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 98 | | 98 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 105 | | 104 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 112 | | 110 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 97 | | 100 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 103 | | 103 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 105 | | 108 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 104 | | 105 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 68 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 102 | | 106 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 109 | | 110 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 98 | | 102 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 77 | | 75 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 79 | | 90 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 102 | | 101 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 1 | | 1 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 82 | | 67 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 107 | | 104 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 88 | | 93 | | 26-160 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1406783-2 WG1406783-3 | | | | | | | | |
| Acenaphthene | 56 | | 70 | | 37-111 | 22 | | 30 |
| 1,2,4-Trichlorobenzene | 47 | | 59 | | 39-98 | 23 | | 30 |
| Hexachlorobenzene | 54 | | 75 | | 40-140 | 33 | Q | 30 |
| Bis(2-chloroethyl)ether | 54 | | 68 | | 40-140 | 23 | | 30 |
| 2-Chloronaphthalene | 52 | | 70 | | 40-140 | 30 | | 30 |
| 1,2-Dichlorobenzene | 46 | | 57 | | 40-140 | 21 | | 30 |
| 1,3-Dichlorobenzene | 44 | | 57 | | 40-140 | 26 | | 30 |
| 1,4-Dichlorobenzene | 46 | | 57 | | 36-97 | 21 | | 30 |
| 3,3'-Dichlorobenzidine | 58 | | 72 | | 40-140 | 22 | | 30 |
| 2,4-Dinitrotoluene | 60 | | 73 | | 48-143 | 20 | | 30 |
| 2,6-Dinitrotoluene | 57 | | 73 | | 40-140 | 25 | | 30 |
| Fluoranthene | 54 | | 70 | | 40-140 | 26 | | 30 |
| 4-Chlorophenyl phenyl ether | 58 | | 75 | | 40-140 | 26 | | 30 |
| 4-Bromophenyl phenyl ether | 58 | | 77 | | 40-140 | 28 | | 30 |
| Bis(2-chloroisopropyl)ether | 45 | | 58 | | 40-140 | 25 | | 30 |
| Bis(2-chloroethoxy)methane | 56 | | 68 | | 40-140 | 19 | | 30 |
| Hexachlorobutadiene | 47 | | 61 | | 40-140 | 26 | | 30 |
| Hexachlorocyclopentadiene | 44 | | 60 | | 40-140 | 31 | Q | 30 |
| Hexachloroethane | 44 | | 55 | | 40-140 | 22 | | 30 |
| Isophorone | 53 | | 66 | | 40-140 | 22 | | 30 |
| Naphthalene | 51 | | 66 | | 40-140 | 26 | | 30 |
| Nitrobenzene | 51 | | 65 | | 40-140 | 24 | | 30 |
| NDPA/DPA | 58 | | 79 | | 40-140 | 31 | Q | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|--|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1406783-2 WG1406783-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 54 | | 68 | | 29-132 | | 23 | 30 |
| Bis(2-ethylhexyl)phthalate | 73 | | 99 | | 40-140 | | 30 | 30 |
| Butyl benzyl phthalate | 66 | | 89 | | 40-140 | | 30 | 30 |
| Di-n-butylphthalate | 59 | | 78 | | 40-140 | | 28 | 30 |
| Di-n-octylphthalate | 71 | | 94 | | 40-140 | | 28 | 30 |
| Diethyl phthalate | 62 | | 82 | | 40-140 | | 28 | 30 |
| Dimethyl phthalate | 59 | | 76 | | 40-140 | | 25 | 30 |
| Benzo(a)anthracene | 64 | | 83 | | 40-140 | | 26 | 30 |
| Benzo(a)pyrene | 56 | | 74 | | 40-140 | | 28 | 30 |
| Benzo(b)fluoranthene | 62 | | 77 | | 40-140 | | 22 | 30 |
| Benzo(k)fluoranthene | 58 | | 76 | | 40-140 | | 27 | 30 |
| Chrysene | 59 | | 75 | | 40-140 | | 24 | 30 |
| Acenaphthylene | 54 | | 71 | | 45-123 | | 27 | 30 |
| Anthracene | 58 | | 75 | | 40-140 | | 26 | 30 |
| Benzo(ghi)perylene | 60 | | 79 | | 40-140 | | 27 | 30 |
| Fluorene | 59 | | 76 | | 40-140 | | 25 | 30 |
| Phenanthrene | 57 | | 75 | | 40-140 | | 27 | 30 |
| Dibenzo(a,h)anthracene | 61 | | 77 | | 40-140 | | 23 | 30 |
| Indeno(1,2,3-cd)pyrene | 62 | | 81 | | 40-140 | | 27 | 30 |
| Pyrene | 54 | | 72 | | 26-127 | | 29 | 30 |
| Biphenyl | 56 | | 73 | | 40-140 | | 26 | 30 |
| 4-Chloroaniline | 45 | | 54 | | 40-140 | | 18 | 30 |
| 2-Nitroaniline | 58 | | 71 | | 52-143 | | 20 | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1406783-2 WG1406783-3 | | | | | | | | |
| 3-Nitroaniline | 57 | | 64 | | 25-145 | 12 | | 30 |
| 4-Nitroaniline | 60 | | 71 | | 51-143 | 17 | | 30 |
| Dibenzofuran | 57 | | 73 | | 40-140 | 25 | | 30 |
| 2-Methylnaphthalene | 52 | | 67 | | 40-140 | 25 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 50 | | 66 | | 2-134 | 28 | | 30 |
| Acetophenone | 54 | | 67 | | 39-129 | 21 | | 30 |
| 2,4,6-Trichlorophenol | 61 | | 76 | | 30-130 | 22 | | 30 |
| p-Chloro-m-cresol | 59 | | 75 | | 23-97 | 24 | | 30 |
| 2-Chlorophenol | 52 | | 63 | | 27-123 | 19 | | 30 |
| 2,4-Dichlorophenol | 56 | | 69 | | 30-130 | 21 | | 30 |
| 2,4-Dimethylphenol | 54 | | 67 | | 30-130 | 21 | | 30 |
| 2-Nitrophenol | 54 | | 66 | | 30-130 | 20 | | 30 |
| 4-Nitrophenol | 53 | | 64 | | 10-80 | 19 | | 30 |
| 2,4-Dinitrophenol | 50 | | 54 | | 20-130 | 8 | | 30 |
| 4,6-Dinitro-o-cresol | 57 | | 71 | | 20-164 | 22 | | 30 |
| Pentachlorophenol | 41 | | 55 | | 9-103 | 29 | | 30 |
| Phenol | 44 | | 50 | | 12-110 | 13 | | 30 |
| 2-Methylphenol | 54 | | 66 | | 30-130 | 20 | | 30 |
| 3-Methylphenol/4-Methylphenol | 59 | | 71 | | 30-130 | 18 | | 30 |
| 2,4,5-Trichlorophenol | 59 | | 75 | | 30-130 | 24 | | 30 |
| Benzoic Acid | 0 | Q | 0 | Q | 10-164 | NC | | 30 |
| Benzyl Alcohol | 56 | | 64 | | 26-116 | 13 | | 30 |
| Carbazole | 60 | | 76 | | 55-144 | 24 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1406783-2 WG1406783-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 51 | | 57 | | 21-120 |
| Phenol-d6 | 44 | | 48 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 68 | | 23-120 |
| 2-Fluorobiphenyl | 55 | | 71 | | 15-120 |
| 2,4,6-Tribromophenol | 55 | | 76 | | 10-120 |
| 4-Terphenyl-d14 | 54 | | 73 | | 41-149 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 22 Batch: WG1407387-2 WG1407387-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 106 | | 109 | | 71-135 | 3 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 107 | | 112 | | 69-132 | 5 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 108 | | 106 | | 72-128 | 2 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 109 | | 111 | | 70-132 | 2 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 107 | | 111 | | 71-131 | 4 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 104 | | 110 | | 67-130 | 6 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 106 | | 106 | | 69-133 | 0 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 104 | | 111 | | 64-140 | 7 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 115 | | 108 | | 70-132 | 6 | | 30 |
| Perfluorononanoic Acid (PFNA) | 103 | | 108 | | 72-129 | 5 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 110 | | 108 | | 68-136 | 2 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 106 | | 107 | | 69-133 | 1 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 113 | | 119 | | 65-137 | 5 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 112 | | 118 | | 63-144 | 5 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 104 | | 105 | | 64-136 | 1 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 110 | | 114 | | 59-134 | 4 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 114 | | 108 | | 67-137 | 5 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 110 | | 112 | | 61-139 | 2 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 117 | | 120 | | 69-135 | 3 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 124 | | 127 | | 66-139 | 2 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 95 | | 102 | | 69-133 | 7 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|--|-----------|------|-----------|------|-----------|--|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | Limits | | | Qual | Limits |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 22 Batch: WG1407387-2 WG1407387-3 | | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 110 | | 102 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 119 | | 110 | | 65-182 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 115 | | 116 | | 70-151 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 106 | | 99 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 105 | | 97 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 111 | | 111 | | 63-166 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 108 | | 102 | | 62-152 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 119 | | 122 | | 32-182 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 112 | | 106 | | 61-154 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 111 | | 115 | | 65-151 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 109 | | 102 | | 65-150 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 124 | | 127 | | 25-186 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 105 | | 93 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 106 | | 102 | | 64-158 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 2 | | 3 | | 1-125 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 101 | | 103 | | 42-136 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 103 | | 101 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 102 | | 101 | | 26-160 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 23 Batch: WG1407521-2 WG1407521-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 111 | | 108 | | 67-148 | 3 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 114 | | 111 | | 63-161 | 3 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 112 | | 109 | | 65-157 | 3 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 113 | | 112 | | 69-168 | 1 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 113 | | 109 | | 58-159 | 4 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 112 | | 107 | | 69-177 | 5 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 115 | | 112 | | 63-159 | 3 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 118 | | 112 | | 49-187 | 5 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 114 | | 112 | | 61-179 | 2 | | 30 |
| Perfluorononanoic Acid (PFNA) | 113 | | 110 | | 68-171 | 3 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 111 | | 110 | | 52-151 | 1 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 110 | | 109 | | 63-171 | 1 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 112 | | 104 | | 56-173 | 7 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 108 | | 110 | | 60-166 | 2 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 104 | | 103 | | 60-153 | 1 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 111 | | 109 | | 38-156 | 2 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 109 | | 109 | | 46-170 | 0 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 114 | | 113 | | 45-170 | 1 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 118 | | 114 | | 67-153 | 3 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 121 | | 115 | | 48-158 | 5 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 103 | | 98 | | 59-182 | 5 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|--|-----------|------|-----------|------|-----------|--|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | Limits | | | Qual | Limits |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 23 Batch: WG1407521-2 WG1407521-3 | | | | | | | | | |

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 96 | | 98 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 113 | | 113 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 105 | | 108 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 94 | | 94 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 91 | | 93 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 97 | | 102 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 92 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 112 | | 121 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 89 | | 92 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 96 | | 101 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 90 | | 91 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 104 | | 120 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 85 | | 77 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 86 | | 87 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 45 | | 39 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 92 | | 90 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 80 | | 84 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 81 | | 88 | | 33-143 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 QC Batch ID: WG1405442-4 WG1405442-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| Acenaphthene | 36J | 1620 | 1200 | 74 | | 1100 | 68 | | 31-137 | 9 | | 50 |
| 1,2,4-Trichlorobenzene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 38-107 | 10 | | 50 |
| Hexachlorobenzene | ND | 1620 | 960 | 59 | | 880 | 54 | | 40-140 | 9 | | 50 |
| Bis(2-chloroethyl)ether | ND | 1620 | 1200 | 74 | | 1200 | 74 | | 40-140 | 0 | | 50 |
| 2-Chloronaphthalene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 40-140 | 10 | | 50 |
| 1,2-Dichlorobenzene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 40-140 | 10 | | 50 |
| 1,3-Dichlorobenzene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 40-140 | 10 | | 50 |
| 1,4-Dichlorobenzene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 28-104 | 10 | | 50 |
| 3,3'-Dichlorobenzidine | ND | 1620 | 160J | 10 | Q | 220 | 14 | Q | 40-140 | 32 | | 50 |
| 2,4-Dinitrotoluene | ND | 1620 | 770 | 47 | | 710 | 44 | | 40-132 | 8 | | 50 |
| 2,6-Dinitrotoluene | ND | 1620 | 870 | 54 | | 790 | 49 | | 40-140 | 10 | | 50 |
| Fluoranthene | 1100 | 1620 | 3100 | 120 | | 2500 | 86 | | 40-140 | 21 | | 50 |
| 4-Chlorophenyl phenyl ether | ND | 1620 | 1000 | 62 | | 940 | 58 | | 40-140 | 6 | | 50 |
| 4-Bromophenyl phenyl ether | ND | 1620 | 1000 | 62 | | 940 | 58 | | 40-140 | 6 | | 50 |
| Bis(2-chloroisopropyl)ether | ND | 1620 | 1500 | 92 | | 1400 | 86 | | 40-140 | 7 | | 50 |
| Bis(2-chloroethoxy)methane | ND | 1620 | 1200 | 74 | | 1200 | 74 | | 40-117 | 0 | | 50 |
| Hexachlorobutadiene | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 40-140 | 10 | | 50 |
| Hexachlorocyclopentadiene | ND | 1620 | ND | 0 | Q | ND | 0 | Q | 40-140 | NC | | 50 |
| Hexachloroethane | ND | 1620 | 780 | 48 | | 780 | 48 | | 40-140 | 0 | | 50 |
| Isophorone | ND | 1620 | 1300 | 80 | | 1200 | 74 | | 40-140 | 8 | | 50 |
| Naphthalene | 320 | 1620 | 1400 | 67 | | 1300 | 60 | | 40-140 | 7 | | 50 |
| Nitrobenzene | ND | 1620 | 1300 | 80 | | 1200 | 74 | | 40-140 | 8 | | 50 |
| NDPA/DPA | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 36-157 | 10 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 QC Batch ID: WG1405442-4 WG1405442-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| n-Nitrosodi-n-propylamine | ND | 1620 | 1300 | 80 | | 1200 | 74 | | 32-121 | 8 | | 50 |
| Bis(2-ethylhexyl)phthalate | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 40-140 | 9 | | 50 |
| Butyl benzyl phthalate | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 40-140 | 9 | | 50 |
| Di-n-butylphthalate | ND | 1620 | 1200 | 74 | | 1000 | 62 | | 40-140 | 18 | | 50 |
| Di-n-octylphthalate | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 40-140 | 9 | | 50 |
| Diethyl phthalate | ND | 1620 | 1100 | 68 | | 990 | 61 | | 40-140 | 11 | | 50 |
| Dimethyl phthalate | ND | 1620 | 1000 | 62 | | 980 | 60 | | 40-140 | 2 | | 50 |
| Benzo(a)anthracene | 860 | 1620 | 2400 | 95 | | 2300 | 89 | | 40-140 | 4 | | 50 |
| Benzo(a)pyrene | 1300 | 1620 | 2800 | 92 | | 2800 | 92 | | 40-140 | 0 | | 50 |
| Benzo(b)fluoranthene | 1900 | 1620 | 3500 | 99 | | 3400 | 92 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 520 | 1620 | 2000 | 91 | | 1700 | 73 | | 40-140 | 16 | | 50 |
| Chrysene | 920 | 1620 | 2600 | 100 | | 2400 | 91 | | 40-140 | 8 | | 50 |
| Acenaphthylene | 790 | 1620 | 2400 | 99 | | 2200 | 87 | | 40-140 | 9 | | 50 |
| Anthracene | 530 | 1620 | 2000 | 91 | | 1700 | 72 | | 40-140 | 16 | | 50 |
| Benzo(ghi)perylene | 1600 | 1620 | 2800 | 74 | | 2700 | 68 | | 40-140 | 4 | | 50 |
| Fluorene | 76J | 1620 | 1200 | 74 | | 1100 | 68 | | 40-140 | 9 | | 50 |
| Phenanthrene | 530 | 1620 | 2000 | 91 | | 1600 | 66 | | 40-140 | 22 | | 50 |
| Dibenzo(a,h)anthracene | 320 | 1620 | 1600 | 79 | | 1500 | 73 | | 40-140 | 6 | | 50 |
| Indeno(1,2,3-cd)pyrene | 1400 | 1620 | 3000 | 99 | | 2800 | 86 | | 40-140 | 7 | | 50 |
| Pyrene | 1000 | 1620 | 2900 | 120 | | 2400 | 86 | | 35-142 | 19 | | 50 |
| Biphenyl | 63J | 1620 | 1100 | 68 | | 1100 | 68 | | 37-127 | 0 | | 50 |
| 4-Chloroaniline | ND | 1620 | 780 | 48 | | 730 | 45 | | 40-140 | 7 | | 50 |
| 2-Nitroaniline | ND | 1620 | 1300 | 80 | | 1200 | 74 | | 47-134 | 8 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| 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): 18 QC Batch ID: WG1405442-4 WG1405442-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| 3-Nitroaniline | ND | 1620 | 990 | 61 | | 1000 | 62 | | 26-129 | 1 | | 50 |
| 4-Nitroaniline | ND | 1620 | 890 | 55 | | 980 | 60 | | 41-125 | 10 | | 50 |
| Dibenzofuran | 140J | 1620 | 1200 | 74 | | 1100 | 68 | | 40-140 | 9 | | 50 |
| 2-Methylnaphthalene | 210J | 1620 | 1300 | 80 | | 1200 | 74 | | 40-140 | 8 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | 1620 | 1000 | 62 | | 960 | 59 | | 40-117 | 4 | | 50 |
| Acetophenone | ND | 1620 | 1200 | 74 | | 1200 | 74 | | 14-144 | 0 | | 50 |
| 2,4,6-Trichlorophenol | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 30-130 | 10 | | 50 |
| p-Chloro-m-cresol | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 26-103 | 9 | | 50 |
| 2-Chlorophenol | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 25-102 | 9 | | 50 |
| 2,4-Dichlorophenol | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 30-130 | 10 | | 50 |
| 2,4-Dimethylphenol | ND | 1620 | 1300 | 80 | | 1300 | 80 | | 30-130 | 0 | | 50 |
| 2-Nitrophenol | ND | 1620 | 920 | 57 | | 780 | 48 | | 30-130 | 16 | | 50 |
| 4-Nitrophenol | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 11-114 | 9 | | 50 |
| 2,4-Dinitrophenol | ND | 1620 | ND | 0 | Q | ND | 0 | Q | 4-130 | NC | | 50 |
| 4,6-Dinitro-o-cresol | ND | 1620 | ND | 0 | Q | ND | 0 | Q | 10-130 | NC | | 50 |
| Pentachlorophenol | ND | 1620 | 830 | 51 | | 660 | 41 | | 17-109 | 23 | | 50 |
| Phenol | ND | 1620 | 1100 | 68 | | 1100 | 68 | | 26-90 | 0 | | 50 |
| 2-Methylphenol | ND | 1620 | 1200 | 74 | | 1100 | 68 | | 30-130 | 9 | | 50 |
| 3-Methylphenol/4-Methylphenol | 36J | 1620 | 1300 | 80 | | 1200 | 74 | | 30-130 | 8 | | 50 |
| 2,4,5-Trichlorophenol | ND | 1620 | 1100 | 68 | | 1000 | 62 | | 30-130 | 10 | | 50 |
| Benzoic Acid | ND | 1620 | ND | 0 | Q | ND | 0 | Q | 10-110 | NC | | 50 |
| Benzyl Alcohol | ND | 1620 | 1300 | 80 | | 1200 | 74 | | 40-140 | 8 | | 50 |
| Carbazole | 170J | 1620 | 1400 | 86 | | 1200 | 74 | | 54-128 | 15 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 QC Batch ID: WG1405442-4 WG1405442-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| 1,4-Dioxane | ND | 1620 | 910 | 56 | | 920 | 57 | | 40-140 | 1 | | 50 |

| <i>Surrogate</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | |
| 2,4,6-Tribromophenol | 54 | | 49 | | 10-136 |
| 2-Fluorobiphenyl | 68 | | 62 | | 30-120 |
| 2-Fluorophenol | 65 | | 64 | | 25-120 |
| 4-Terphenyl-d14 | 60 | | 53 | | 18-120 |
| Nitrobenzene-d5 | 82 | | 80 | | 23-120 |
| Phenol-d6 | 66 | | 65 | | 10-120 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 QC Batch ID: WG1405766-4 WG1405766-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| Acenaphthene | 590 | 1500 | 1800 | 81 | | 1800 | 80 | | 31-137 | 0 | | 50 |
| 1,2,4-Trichlorobenzene | ND | 1500 | 1000 | 67 | | 1100 | 73 | | 38-107 | 10 | | 50 |
| Hexachlorobenzene | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 40-140 | 0 | | 50 |
| Bis(2-chloroethyl)ether | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| 2-Chloronaphthalene | ND | 1500 | 1000 | 67 | | 1100 | 73 | | 40-140 | 10 | | 50 |
| 1,2-Dichlorobenzene | ND | 1500 | 970 | 65 | | 970 | 64 | | 40-140 | 0 | | 50 |
| 1,3-Dichlorobenzene | ND | 1500 | 950 | 63 | | 940 | 62 | | 40-140 | 1 | | 50 |
| 1,4-Dichlorobenzene | ND | 1500 | 940 | 63 | | 960 | 64 | | 28-104 | 2 | | 50 |
| 3,3'-Dichlorobenzidine | ND | 1500 | 470 | 31 | Q | 710 | 47 | | 40-140 | 41 | | 50 |
| 2,4-Dinitrotoluene | ND | 1500 | 840 | 56 | | 600 | 40 | | 40-132 | 33 | | 50 |
| 2,6-Dinitrotoluene | ND | 1500 | 920 | 61 | | 720 | 48 | | 40-140 | 24 | | 50 |
| Fluoranthene | 31000E | 1500 | 14000E | 0 | Q | 14000E | 0 | Q | 40-140 | 0 | | 50 |
| 4-Chlorophenyl phenyl ether | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| 4-Bromophenyl phenyl ether | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 40-140 | 0 | | 50 |
| Bis(2-chloroisopropyl)ether | ND | 1500 | 1200 | 80 | | 1100 | 73 | | 40-140 | 9 | | 50 |
| Bis(2-chloroethoxy)methane | ND | 1500 | 1000 | 67 | | 1100 | 73 | | 40-117 | 10 | | 50 |
| Hexachlorobutadiene | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| Hexachlorocyclopentadiene | ND | 1500 | ND | 0 | Q | ND | 0 | Q | 40-140 | NC | | 50 |
| Hexachloroethane | ND | 1500 | 750 | 50 | | 560 | 37 | Q | 40-140 | 29 | | 50 |
| Isophorone | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 40-140 | 9 | | 50 |
| Naphthalene | 1100 | 1500 | 1700 | 40 | | 1700 | 40 | | 40-140 | 0 | | 50 |
| Nitrobenzene | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| NDPA/DPA | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 36-157 | 0 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 QC Batch ID: WG1405766-4 WG1405766-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| n-Nitrosodi-n-propylamine | ND | 1500 | 1200 | 80 | | 1100 | 73 | | 32-121 | 9 | | 50 |
| Bis(2-ethylhexyl)phthalate | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 40-140 | 9 | | 50 |
| Butyl benzyl phthalate | ND | 1500 | 990 | 66 | | 1000 | 66 | | 40-140 | 1 | | 50 |
| Di-n-butylphthalate | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 40-140 | 0 | | 50 |
| Di-n-octylphthalate | ND | 1500 | 1000 | 67 | | 1100 | 73 | | 40-140 | 10 | | 50 |
| Diethyl phthalate | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| Dimethyl phthalate | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| Benzo(a)anthracene | 18000E | 1500 | 8000E | 0 | Q | 7600E | 0 | Q | 40-140 | 5 | | 50 |
| Benzo(a)pyrene | 14000E | 1500 | 8500E | 0 | Q | 7700E | 0 | Q | 40-140 | 10 | | 50 |
| Benzo(b)fluoranthene | 19000E | 1500 | 10000E | 0 | Q | 9700E | 0 | Q | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 5200 | 1500 | 3000 | 0 | Q | 3400 | 0 | Q | 40-140 | 13 | | 50 |
| Chrysene | 17000E | 1500 | 7700E | 0 | Q | 8100E | 0 | Q | 40-140 | 5 | | 50 |
| Acenaphthylene | 6200 | 1500 | 3000 | 0 | Q | 3400 | 0 | Q | 40-140 | 13 | | 50 |
| Anthracene | 5900 | 1500 | 4300 | 0 | Q | 3500 | 0 | Q | 40-140 | 21 | | 50 |
| Benzo(ghi)perylene | 8300E | 1500 | 5800 | 0 | Q | 5000 | 0 | Q | 40-140 | 15 | | 50 |
| Fluorene | 1500 | 1500 | 1600 | 7 | Q | 1800 | 20 | Q | 40-140 | 12 | | 50 |
| Phenanthrene | 28000E | 1500 | 11000E | 0 | Q | 11000E | 0 | Q | 40-140 | 0 | | 50 |
| Dibenzo(a,h)anthracene | 2500 | 1500 | 2200 | 0 | Q | 2000 | 0 | Q | 40-140 | 10 | | 50 |
| Indeno(1,2,3-cd)pyrene | 8400E | 1500 | 5900 | 0 | Q | 5300 | 0 | Q | 40-140 | 11 | | 50 |
| Pyrene | 36000E | 1500 | 14000E | 0 | Q | 14000E | 0 | Q | 35-142 | 0 | | 50 |
| Biphenyl | 200J | 1500 | 1200 | 80 | | 1300 | 86 | | 37-127 | 8 | | 50 |
| 4-Chloroaniline | ND | 1500 | 680 | 45 | | 740 | 49 | | 40-140 | 8 | | 50 |
| 2-Nitroaniline | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 47-134 | 9 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 QC Batch ID: WG1405766-4 WG1405766-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| 3-Nitroaniline | ND | 1500 | 920 | 61 | | 1100 | 73 | | 26-129 | 18 | | 50 |
| 4-Nitroaniline | ND | 1500 | 860 | 57 | | 1000 | 66 | | 41-125 | 15 | | 50 |
| Dibenzofuran | 740 | 1500 | 1600 | 57 | | 1500 | 50 | | 40-140 | 6 | | 50 |
| 2-Methylnaphthalene | 390 | 1500 | 1300 | 61 | | 1300 | 60 | | 40-140 | 0 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | ND | 1500 | 1200 | 80 | | 1300 | 86 | | 40-117 | 8 | | 50 |
| Acetophenone | 28J | 1500 | 1100 | 73 | | 1100 | 73 | | 14-144 | 0 | | 50 |
| 2,4,6-Trichlorophenol | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 30-130 | 9 | | 50 |
| p-Chloro-m-cresol | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 26-103 | 0 | | 50 |
| 2-Chlorophenol | ND | 1500 | 1100 | 73 | | 1100 | 73 | | 25-102 | 0 | | 50 |
| 2,4-Dichlorophenol | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 30-130 | 9 | | 50 |
| 2,4-Dimethylphenol | ND | 1500 | 1200 | 80 | | 1200 | 80 | | 30-130 | 0 | | 50 |
| 2-Nitrophenol | ND | 1500 | 820 | 55 | | 620 | 41 | | 30-130 | 28 | | 50 |
| 4-Nitrophenol | ND | 1500 | 780 | 52 | | 770 | 51 | | 11-114 | 1 | | 50 |
| 2,4-Dinitrophenol | ND | 1500 | 140J | 9 | | ND | 0 | Q | 4-130 | NC | | 50 |
| 4,6-Dinitro-o-cresol | ND | 1500 | 120J | 8 | Q | ND | 0 | Q | 10-130 | NC | | 50 |
| Pentachlorophenol | ND | 1500 | 850 | 57 | | 870 | 58 | | 17-109 | 2 | | 50 |
| Phenol | 110J | 1500 | 1000 | 67 | | 1100 | 73 | | 26-90 | 10 | | 50 |
| 2-Methylphenol | 44J | 1500 | 1100 | 73 | | 1200 | 80 | | 30-130 | 9 | | 50 |
| 3-Methylphenol/4-Methylphenol | 220J | 1500 | 1200 | 80 | | 1300 | 86 | | 30-130 | 8 | | 50 |
| 2,4,5-Trichlorophenol | ND | 1500 | 1100 | 73 | | 1200 | 80 | | 30-130 | 9 | | 50 |
| Benzoic Acid | ND | 1500 | 350J | 23 | | 310J | 21 | | 10-110 | 12 | | 50 |
| Benzyl Alcohol | ND | 1500 | 1000 | 67 | | 1000 | 66 | | 40-140 | 0 | | 50 |
| Carbazole | 1100 | 1500 | 2100 | 67 | | 2000 | 60 | | 54-128 | 5 | | 50 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,31-34 QC Batch ID: WG1405766-4 WG1405766-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| 1,4-Dioxane | ND | 1500 | 530 | 35 | Q | 510 | 34 | Q | 40-140 | 4 | | 50 |

| <i>Surrogate</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | |
| 2,4,6-Tribromophenol | 73 | | 74 | | 10-136 |
| 2-Fluorobiphenyl | 74 | | 75 | | 30-120 |
| 2-Fluorophenol | 66 | | 66 | | 25-120 |
| 4-Terphenyl-d14 | 64 | | 68 | | 18-120 |
| Nitrobenzene-d5 | 73 | | 72 | | 23-120 |
| Phenol-d6 | 68 | | 68 | | 10-120 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 18-19,21,24-25,31-34,36-38 QC Batch ID: WG1406585-4 WG1406585-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | 6.05 | 5.66 | 94 | | 5.80 | 95 | | 71-135 | 2 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | ND | 6.05 | 5.82 | 96 | | 5.94 | 98 | | 69-132 | 2 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 5.37 | 4.96 | 92 | | 5.13 | 95 | | 72-128 | 3 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 0.083J | 6.05 | 5.86 | 96 | | 6.07 | 98 | | 70-132 | 4 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | ND | 6.05 | 5.65 | 93 | | 5.83 | 96 | | 71-131 | 3 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | 5.53 | 5.73 | 104 | | 5.24 | 94 | | 67-130 | 9 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 0.191J | 6.05 | 5.53 | 88 | | 5.66 | 90 | | 69-133 | 2 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 5.76 | 5.58 | 97 | | 5.73 | 99 | | 64-140 | 3 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 5.76 | 5.30 | 92 | | 5.28 | 91 | | 70-132 | 0 | | 30 |
| Perfluorononanoic Acid (PFNA) | ND | 6.05 | 5.72 | 95 | | 5.81 | 95 | | 72-129 | 2 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.456J | 5.61 | 5.65 | 93 | | 5.82 | 95 | | 68-136 | 3 | | 30 |
| Perfluorodecanoic Acid (PFDA) | ND | 6.05 | 6.34 | 105 | | 6.10 | 100 | | 69-133 | 4 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 5.8 | 5.72 | 99 | | 5.31 | 91 | | 65-137 | 7 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 6.05 | 5.32 | 88 | | 5.53 | 91 | | 63-144 | 4 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 6.05 | 6.05 | 100 | | 5.91 | 97 | | 64-136 | 2 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 5.83 | 5.03 | 86 | | 4.70 | 80 | | 59-134 | 7 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 6.05 | 5.28 | 87 | | 5.69F | 93 | | 67-137 | 7 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 6.05 | 5.69 | 94 | | 5.38 | 88 | | 61-139 | 6 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 6.05 | 5.57 | 92 | | 5.18 | 85 | | 69-135 | 7 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 6.05 | 5.62 | 93 | | 5.47 | 90 | | 66-139 | 3 | | 30 |
| Perfluorotetradecanoic Acid (PFTTA) | ND | 6.05 | 5.88 | 97 | | 6.09 | 100 | | 69-133 | 4 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 18-19,21,24-25,31-34,36-38 QC Batch ID: WG1406585-4 WG1406585-5 QC
 Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0

| <i>Surrogate (Extracted Internal Standard)</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> |
|--|-------------------|------------------|-------------------|------------------|----------------------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 252 | Q | 256 | Q | 25-186 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 169 | | 160 | | 32-182 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 119 | | 124 | | 42-136 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 105 | | 95 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 94 | | 92 | | 64-158 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 92 | | 90 | | 65-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 77 | | 73 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 86 | | 83 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 88 | | 93 | | 63-166 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 90 | | 91 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 81 | | 79 | | 26-160 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 93 | | 90 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 101 | | 99 | | 65-182 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 55 | | 52 | | 1-125 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 102 | | 99 | | 65-151 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 98 | | 94 | | 62-152 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 105 | | 103 | | 61-154 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 97 | | 93 | | 70-151 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| 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): 18-19,21,24-25,31-34,36-38 QC Batch ID: WG1406585-6 WG1406585-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | 5.15 | 4.62 | 90 | | 4.80 | 92 | | 71-135 | 4 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | ND | 5.15 | 4.77 | 93 | | 4.85 | 93 | | 69-132 | 2 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 4.57 | 4.10 | 90 | | 4.09 | 88 | | 72-128 | 0 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | ND | 5.15 | 4.90 | 95 | | 5.04 | 97 | | 70-132 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | ND | 5.15 | 4.81 | 93 | | 4.86 | 93 | | 71-131 | 1 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | 4.7 | 4.15 | 88 | | 4.05 | 85 | | 67-130 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 0.124J | 5.15 | 4.54 | 86 | | 4.76 | 89 | | 69-133 | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 4.9 | 4.54 | 93 | | 4.78 | 96 | | 64-140 | 5 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 4.9 | 4.35 | 89 | | 4.35 | 88 | | 70-132 | 0 | | 30 |
| Perfluorononanoic Acid (PFNA) | 0.793 | 5.15 | 5.56 | 93 | | 5.71 | 94 | | 72-129 | 3 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.500J | 4.78 | 4.96 | 93 | | 4.82 | 89 | | 68-136 | 3 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 0.815 | 5.15 | 5.39 | 89 | | 5.60 | 92 | | 69-133 | 4 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 4.94 | 4.85 | 98 | | 4.65 | 93 | | 65-137 | 4 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 5.15 | 5.15 | 100 | | 4.35 | 83 | | 63-144 | 17 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 5.15 | 4.84 | 94 | | 4.86 | 93 | | 64-136 | 0 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 4.96 | 3.96 | 80 | | 4.13 | 82 | | 59-134 | 4 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 5.15 | 4.62 | 90 | | 5.21 | 100 | | 67-137 | 12 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 5.15 | 4.41 | 86 | | 5.06 | 97 | | 61-139 | 14 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 5.15 | 4.47 | 87 | | 4.68 | 90 | | 69-135 | 5 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 5.15 | 4.75 | 92 | | 4.57 | 88 | | 66-139 | 4 | | 30 |
| Perfluorotetradecanoic Acid (PFTTA) | ND | 5.15 | 4.80 | 93 | | 4.90 | 94 | | 69-133 | 2 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 18-19,21,24-25,31-34,36-38 QC Batch ID: WG1406585-6 WG1406585-7 QC
 Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0

| <i>Surrogate (Extracted Internal Standard)</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> |
|--|-------------------|------------------|-------------------|------------------|----------------------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 73 | | 74 | | 25-186 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 70 | | 68 | | 32-182 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 69 | | 64 | | 42-136 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 63 | | 70 | | 45-137 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 98 | | 95 | | 64-158 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 103 | | 101 | | 65-150 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 95 | | 96 | | 61-147 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 98 | | 62-149 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 102 | | 106 | | 63-166 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 104 | | 105 | | 56-148 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 90 | | 89 | | 26-160 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 97 | | 96 | | 60-153 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 104 | | 104 | | 65-182 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 94 | | 87 | | 1-125 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 98 | | 103 | | 65-151 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 96 | | 98 | | 62-152 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 98 | | 98 | | 61-154 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 107 | | 70-151 |

PCBS

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
Client ID: 030_LSB-44_3.0-5.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 16:14
Analyst: AD
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/30/20 11:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | 3.26 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.7 | 3.68 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.7 | 7.78 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.7 | 4.95 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.7 | 5.51 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.7 | 4.02 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.7 | 6.78 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.7 | 4.66 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.7 | 3.80 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.7 | 3.26 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/01/20 16:48
 Analyst: AD
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 08/30/20 11:55
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/31/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/31/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | 3.48 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.1 | 3.92 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.1 | 8.30 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.1 | 5.28 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.1 | 5.87 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.1 | 4.28 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 39.1 | 7.23 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.1 | 4.97 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.1 | 4.05 | 1 | A |
| PCBs, Total | ND | | ug/kg | 39.1 | 3.48 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 16:55
Analyst: AD
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/30/20 11:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.2 | 3.93 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 44.2 | 4.43 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 44.2 | 9.38 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 44.2 | 5.96 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 44.2 | 6.63 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 44.2 | 4.84 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 44.2 | 8.17 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 44.2 | 5.62 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 44.2 | 4.58 | 1 | A |
| PCBs, Total | ND | | ug/kg | 44.2 | 3.93 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-04
Client ID: 033_LSB-49_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 18:47
Analyst: AD
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 42.5 | 3.77 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 42.5 | 4.26 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 42.5 | 9.00 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 42.5 | 5.72 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 42.5 | 6.37 | 1 | A |
| Aroclor 1254 | 23.2 | J | ug/kg | 42.5 | 4.65 | 1 | A |
| Aroclor 1260 | 15.7 | J | ug/kg | 42.5 | 7.85 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 42.5 | 5.39 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 42.5 | 4.40 | 1 | A |
| PCBs, Total | 38.9 | J | ug/kg | 42.5 | 3.77 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8082A
Analytical Date: 09/02/20 11:17
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 08:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | B |
| Decachlorobiphenyl | 53 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-06
Client ID: 035_LSB-52_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 13:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 17:02
Analyst: AD
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/30/20 11:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.3 | 3.49 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.3 | 3.94 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.3 | 8.33 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.3 | 5.30 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.3 | 5.89 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.3 | 4.30 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 39.3 | 7.26 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.3 | 4.99 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.3 | 4.07 | 1 | A |
| PCBs, Total | ND | | ug/kg | 39.3 | 3.49 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
Client ID: 037_LSB-43_2.5-4.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 12:06
Analyst: JAW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.2 | 3.12 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.2 | 3.52 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.2 | 7.46 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.2 | 4.74 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.2 | 5.28 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.2 | 3.85 | 1 | A |
| Aroclor 1260 | 62.3 | | ug/kg | 35.2 | 6.50 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 35.2 | 4.47 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.2 | 3.64 | 1 | A |
| PCBs, Total | 62.3 | | ug/kg | 35.2 | 3.12 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 59 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
Client ID: 038_LSB-43_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 22:16
Analyst: HT
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.9 | 3.99 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 44.9 | 4.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 44.9 | 9.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 44.9 | 6.05 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 44.9 | 6.73 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 44.9 | 4.91 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 44.9 | 8.30 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 44.9 | 5.70 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 44.9 | 4.65 | 1 | A |
| PCBs, Total | ND | | ug/kg | 44.9 | 3.99 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-10
Client ID: 039_LSB-48_8.0-10.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 11:52
Analyst: JAW
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.0 | 4.00 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 45.0 | 4.51 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 45.0 | 9.55 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 45.0 | 6.07 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 45.0 | 6.76 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 45.0 | 4.93 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 45.0 | 8.32 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 45.0 | 5.72 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 45.0 | 4.67 | 1 | A |
| PCBs, Total | ND | | ug/kg | 45.0 | 4.00 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
Client ID: 040_LSB-42_1.5-3.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 11:45
Analyst: JAW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.5 | 3.60 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.5 | 4.06 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.5 | 8.58 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.5 | 5.46 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.5 | 6.07 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.5 | 4.43 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.5 | 7.48 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.5 | 5.14 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.5 | 4.19 | 1 | A |
| PCBs, Total | ND | | ug/kg | 40.5 | 3.60 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/02/20 22:09
 Analyst: JAW
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 12:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/01/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | 3.47 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.1 | 3.92 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.1 | 8.29 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.1 | 5.27 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.1 | 5.86 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.1 | 4.28 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 39.1 | 7.22 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.1 | 4.96 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.1 | 4.05 | 1 | A |
| PCBs, Total | ND | | ug/kg | 39.1 | 3.47 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 97 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-13
Client ID: 042_LSB-50_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 19:01
Analyst: AD
Percent Solids: 54%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 58.0 | 5.15 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 58.0 | 5.81 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 58.0 | 12.3 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 58.0 | 7.81 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 58.0 | 8.69 | 1 | A |
| Aroclor 1254 | 26.8 | J | ug/kg | 58.0 | 6.34 | 1 | B |
| Aroclor 1260 | 36.9 | J | ug/kg | 58.0 | 10.7 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 58.0 | 7.36 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 58.0 | 6.00 | 1 | A |
| PCBs, Total | 63.7 | J | ug/kg | 58.0 | 5.15 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 62 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-14
Client ID: 043_LSB-53_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:45
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 18:54
Analyst: AD
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.6 | 3.52 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.6 | 3.97 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.6 | 8.41 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.6 | 5.34 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.6 | 5.95 | 1 | A |
| Aroclor 1254 | 173 | | ug/kg | 39.6 | 4.34 | 1 | B |
| Aroclor 1260 | 37.7 | J | ug/kg | 39.6 | 7.33 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.6 | 5.04 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.6 | 4.11 | 1 | A |
| PCBs, Total | 211 | J | ug/kg | 39.6 | 3.52 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 55 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-15
Client ID: 044_LSB-42_7.5-9.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:25
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 19:07
Analyst: AD
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.4 | 3.41 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.4 | 3.85 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.4 | 8.15 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.4 | 5.18 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.4 | 5.77 | 1 | A |
| Aroclor 1254 | 6.32 | J | ug/kg | 38.4 | 4.21 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.4 | 7.10 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.4 | 4.88 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.4 | 3.98 | 1 | A |
| PCBs, Total | 6.32 | J | ug/kg | 38.4 | 3.41 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 55 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-16
Client ID: 045_LSB-54_9.5-11.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 12:00
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 11:24
Analyst: JAW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.2 | 3.39 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.2 | 3.82 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.2 | 8.09 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.2 | 5.14 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.2 | 5.72 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.2 | 4.18 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.2 | 7.05 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.2 | 4.85 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.2 | 3.95 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.2 | 3.39 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
Client ID: 047_LSB-41_4.0-6.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 13:20
Analyst: HT
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.1 | 3.65 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 41.1 | 4.12 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 41.1 | 8.72 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 41.1 | 5.55 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 41.1 | 6.17 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 41.1 | 4.50 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 41.1 | 7.60 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 41.1 | 5.22 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 41.1 | 4.26 | 1 | A |
| PCBs, Total | ND | | ug/kg | 41.1 | 3.65 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 | A |
| Decachlorobiphenyl | 36 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 | B |
| Decachlorobiphenyl | 33 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/02/20 22:23
 Analyst: HT
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 11:27
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/01/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 50.0 | 4.44 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 50.0 | 5.01 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 50.0 | 10.6 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 50.0 | 6.74 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 50.0 | 7.50 | 1 | A |
| Aroclor 1254 | 8.61 | J | ug/kg | 50.0 | 5.47 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 50.0 | 9.24 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 50.0 | 6.35 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 50.0 | 5.18 | 1 | A |
| PCBs, Total | 8.61 | J | ug/kg | 50.0 | 4.44 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 30-150 | B |
| Decachlorobiphenyl | 102 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-20
Client ID: 049_LSB-47_8.5-10.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:30
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 15:36
Analyst: AD
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 43.7 | 3.88 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 43.7 | 4.37 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 43.7 | 9.26 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 43.7 | 5.88 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 43.7 | 6.55 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 43.7 | 4.78 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 43.7 | 8.07 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 43.7 | 5.54 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 43.7 | 4.52 | 1 | A |
| PCBs, Total | ND | | ug/kg | 43.7 | 3.88 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
Client ID: 050_LSB-37_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 13:47
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 3.40 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 3.84 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 8.12 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 5.16 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 5.74 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 4.19 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 7.08 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 4.86 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 3.97 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.3 | 3.40 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/04/20 10:41
 Analyst: JM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 11:27
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/01/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.1 | 3.47 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.1 | 3.92 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.1 | 8.28 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.1 | 5.27 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.1 | 5.86 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.1 | 4.28 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 39.1 | 7.22 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.1 | 4.96 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.1 | 4.05 | 1 | A |
| PCBs, Total | ND | | ug/kg | 39.1 | 3.47 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/03/20 12:53
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 16:35
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
Client ID: 053_LSB-40_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 14:01
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.8 | 3.62 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.8 | 4.09 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.8 | 8.64 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.8 | 5.50 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.8 | 6.12 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.8 | 4.46 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.8 | 7.54 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.8 | 5.18 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.8 | 4.22 | 1 | A |
| PCBs, Total | ND | | ug/kg | 40.8 | 3.62 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 55 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
Client ID: 054_LSB-40_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 22:12
Analyst: JAW
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 41.6 | 3.69 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 41.6 | 4.17 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 41.6 | 8.82 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 41.6 | 5.60 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 41.6 | 6.24 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 41.6 | 4.55 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 41.6 | 7.68 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 41.6 | 5.28 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 41.6 | 4.31 | 1 | A |
| PCBs, Total | ND | | ug/kg | 41.6 | 3.69 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-26
Client ID: 055_LSB-46_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:50
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 14:14
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 3.25 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 3.66 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 7.75 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 4.93 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 5.48 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.6 | 4.00 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.6 | 6.76 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 4.64 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 3.79 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.6 | 3.25 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 55 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-27
Client ID: 056_LSB-45_7.5-9.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 14:21
Analyst: HT
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 45.0 | 3.99 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 45.0 | 4.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 45.0 | 9.53 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 45.0 | 6.06 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 45.0 | 6.74 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 45.0 | 4.92 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 45.0 | 8.31 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 45.0 | 5.71 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 45.0 | 4.66 | 1 | A |
| PCBs, Total | ND | | ug/kg | 45.0 | 3.99 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-28
Client ID: 057_LSB-41_7.5-9.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/20 15:43
Analyst: AD
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 19:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.2 | 3.57 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.2 | 4.03 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.2 | 8.52 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.2 | 5.42 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.2 | 6.03 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.2 | 4.40 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.2 | 7.43 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.2 | 5.10 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.2 | 4.16 | 1 | A |
| PCBs, Total | ND | | ug/kg | 40.2 | 3.57 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-29
Client ID: 058_LSB-40_6.0-8.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 14:10
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/20 13:09
Analyst: JAW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 13:31
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.7 | 3.62 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.7 | 4.08 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.7 | 8.63 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.7 | 5.49 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.7 | 6.11 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.7 | 4.45 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.7 | 7.52 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.7 | 5.17 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.7 | 4.22 | 1 | A |
| PCBs, Total | ND | | ug/kg | 40.7 | 3.62 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 50 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
Client ID: 060_LSB-36_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 13:14
Analyst: AWS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.7 | 3.08 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 34.7 | 3.48 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 34.7 | 7.36 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 34.7 | 4.68 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 34.7 | 5.21 | 1 | A |
| Aroclor 1254 | 16.3 | JP | ug/kg | 34.7 | 3.80 | 1 | A |
| Aroclor 1260 | 17.4 | JP | ug/kg | 34.7 | 6.42 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 34.7 | 4.41 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 34.7 | 3.60 | 1 | A |
| PCBs, Total | 33.7 | J | ug/kg | 34.7 | 3.08 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
Client ID: 061_LSB-36_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 13:27
Analyst: AWS
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.6 | 3.42 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.6 | 3.86 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.6 | 8.18 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.6 | 5.20 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.6 | 5.78 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.6 | 4.22 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.6 | 7.13 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.6 | 4.90 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.6 | 4.00 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.6 | 3.42 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 12:36
Analyst: AWS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.3 | 3.31 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.3 | 3.74 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.3 | 7.91 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.3 | 5.03 | 1 | A |
| Aroclor 1248 | 37.9 | | ug/kg | 37.3 | 5.60 | 1 | A |
| Aroclor 1254 | 54.1 | | ug/kg | 37.3 | 4.08 | 1 | A |
| Aroclor 1260 | 12.3 | J | ug/kg | 37.3 | 6.90 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.3 | 4.74 | 1 | A |
| Aroclor 1268 | 7.54 | J | ug/kg | 37.3 | 3.87 | 1 | A |
| PCBs, Total | 112 | J | ug/kg | 37.3 | 3.31 | 1 | A |

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



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
Client ID: 063_LSB-38_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 13:40
Analyst: AWS
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.7 | 3.44 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.7 | 3.88 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.7 | 8.21 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.7 | 5.22 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.7 | 5.81 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.7 | 4.24 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.7 | 7.16 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.7 | 4.92 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.7 | 4.01 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.7 | 3.44 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
Client ID: 065_LSB-39_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 02:48
Analyst: JM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 09/03/20 12:55
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 42.7 | 3.79 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 42.7 | 4.28 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 42.7 | 9.05 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 42.7 | 5.75 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 42.7 | 6.40 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 42.7 | 4.67 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 42.7 | 7.89 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 42.7 | 5.42 | 1 | A |
| Aroclor 1268 | 48.9 | | ug/kg | 42.7 | 4.42 | 1 | A |
| PCBs, Total | 48.9 | | ug/kg | 42.7 | 3.79 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 110 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/04/20 03:01
 Analyst: JM
 Percent Solids: 68%

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 12:55
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/03/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 47.1 | 4.18 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 47.1 | 4.72 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 47.1 | 9.98 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 47.1 | 6.35 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 47.1 | 7.06 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 47.1 | 5.15 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 47.1 | 8.70 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 47.1 | 5.98 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 47.1 | 4.88 | 1 | A |
| PCBs, Total | ND | | ug/kg | 47.1 | 4.18 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 43 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
Client ID: 067_DUP-2
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/04/20 03:14
Analyst: JM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/03/20 12:55
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 40.1 | 3.56 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 40.1 | 4.02 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 40.1 | 8.51 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 40.1 | 5.41 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 40.1 | 6.02 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 40.1 | 4.39 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 40.1 | 7.42 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 40.1 | 5.10 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 40.1 | 4.16 | 1 | B |
| PCBs, Total | ND | | ug/kg | 40.1 | 3.56 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/01/20 18:37
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 08/30/20 11:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,06 Batch: WG1404582-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.4 | 2.87 | A |
| Aroclor 1221 | ND | | ug/kg | 32.4 | 3.24 | A |
| Aroclor 1232 | ND | | ug/kg | 32.4 | 6.86 | A |
| Aroclor 1242 | ND | | ug/kg | 32.4 | 4.36 | A |
| Aroclor 1248 | ND | | ug/kg | 32.4 | 4.85 | A |
| Aroclor 1254 | ND | | ug/kg | 32.4 | 3.54 | A |
| Aroclor 1260 | ND | | ug/kg | 32.4 | 5.98 | A |
| Aroclor 1262 | ND | | ug/kg | 32.4 | 4.11 | A |
| Aroclor 1268 | ND | | ug/kg | 32.4 | 3.35 | A |
| PCBs, Total | ND | | ug/kg | 32.4 | 2.87 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/01/20 10:02
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 13:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1404888-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1260 | 0.035 | J | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | A |
| PCBs, Total | 0.035 | J | ug/l | 0.083 | 0.032 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 46 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | B |
| Decachlorobiphenyl | 48 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/01/20 21:11
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 09/01/20 04:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,13-15,20,28 Batch: WG1405069-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.9 | 2.92 | A |
| Aroclor 1221 | ND | | ug/kg | 32.9 | 3.30 | A |
| Aroclor 1232 | ND | | ug/kg | 32.9 | 6.97 | A |
| Aroclor 1242 | ND | | ug/kg | 32.9 | 4.43 | A |
| Aroclor 1248 | ND | | ug/kg | 32.9 | 4.93 | A |
| Aroclor 1254 | ND | | ug/kg | 32.9 | 3.60 | A |
| Aroclor 1260 | ND | | ug/kg | 32.9 | 6.08 | A |
| Aroclor 1262 | ND | | ug/kg | 32.9 | 4.18 | A |
| Aroclor 1268 | ND | | ug/kg | 32.9 | 3.41 | A |
| PCBs, Total | ND | | ug/kg | 32.9 | 2.92 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082A
 Analytical Date: 09/02/20 12:59
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 11:27
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/01/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 18-19,21-22,24-27 Batch: WG1405247-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | 2.84 | A |
| Aroclor 1221 | ND | | ug/kg | 31.9 | 3.20 | A |
| Aroclor 1232 | ND | | ug/kg | 31.9 | 6.77 | A |
| Aroclor 1242 | ND | | ug/kg | 31.9 | 4.31 | A |
| Aroclor 1248 | ND | | ug/kg | 31.9 | 4.79 | A |
| Aroclor 1254 | ND | | ug/kg | 31.9 | 3.50 | A |
| Aroclor 1260 | ND | | ug/kg | 31.9 | 5.90 | A |
| Aroclor 1262 | ND | | ug/kg | 31.9 | 4.06 | A |
| Aroclor 1268 | ND | | ug/kg | 31.9 | 3.31 | A |
| PCBs, Total | ND | | ug/kg | 31.9 | 2.84 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/01/20 17:47
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 09/01/20 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08-12,16 Batch: WG1405286-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.2 | 2.86 | A |
| Aroclor 1221 | ND | | ug/kg | 32.2 | 3.22 | A |
| Aroclor 1232 | ND | | ug/kg | 32.2 | 6.82 | A |
| Aroclor 1242 | ND | | ug/kg | 32.2 | 4.33 | A |
| Aroclor 1248 | ND | | ug/kg | 32.2 | 4.82 | A |
| Aroclor 1254 | ND | | ug/kg | 32.2 | 3.52 | A |
| Aroclor 1260 | ND | | ug/kg | 32.2 | 5.94 | A |
| Aroclor 1262 | ND | | ug/kg | 32.2 | 4.08 | A |
| Aroclor 1268 | ND | | ug/kg | 32.2 | 3.33 | A |
| PCBs, Total | ND | | ug/kg | 32.2 | 2.86 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/02/20 13:17
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 04:56
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 23 Batch: WG1405499-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/03/20 12:47
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 09/02/20 09:40
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 29,31-34 Batch: WG1405635-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.9 | 2.83 | A |
| Aroclor 1221 | ND | | ug/kg | 31.9 | 3.19 | A |
| Aroclor 1232 | ND | | ug/kg | 31.9 | 6.76 | A |
| Aroclor 1242 | ND | | ug/kg | 31.9 | 4.30 | A |
| Aroclor 1248 | ND | | ug/kg | 31.9 | 4.78 | A |
| Aroclor 1254 | ND | | ug/kg | 31.9 | 3.49 | A |
| Aroclor 1260 | ND | | ug/kg | 31.9 | 5.89 | A |
| Aroclor 1262 | ND | | ug/kg | 31.9 | 4.05 | A |
| Aroclor 1268 | ND | | ug/kg | 31.9 | 3.30 | A |
| PCBs, Total | ND | | ug/kg | 31.9 | 2.83 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 78 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/04/20 05:22
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 09/03/20 12:55
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 36-38 Batch: WG1406240-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.8 | 2.82 | A |
| Aroclor 1221 | ND | | ug/kg | 31.8 | 3.19 | A |
| Aroclor 1232 | ND | | ug/kg | 31.8 | 6.74 | A |
| Aroclor 1242 | ND | | ug/kg | 31.8 | 4.29 | A |
| Aroclor 1248 | ND | | ug/kg | 31.8 | 4.77 | A |
| Aroclor 1254 | ND | | ug/kg | 31.8 | 3.48 | A |
| Aroclor 1260 | ND | | ug/kg | 31.8 | 5.88 | A |
| Aroclor 1262 | ND | | ug/kg | 31.8 | 4.04 | A |
| Aroclor 1268 | ND | | ug/kg | 31.8 | 3.30 | A |
| PCBs, Total | ND | | ug/kg | 31.8 | 2.82 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,06 Batch: WG1404582-2 WG1404582-3 | | | | | | | | | |
| Aroclor 1016 | 74 | | 68 | | 40-140 | 8 | | 50 | A |
| Aroclor 1260 | 65 | | 61 | | 40-140 | 6 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 74 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 67 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 66 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 54 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1404888-2 WG1404888-3 | | | | | | | | | |
| Aroclor 1016 | 56 | | 57 | | 40-140 | 1 | | 50 | A |
| Aroclor 1260 | 53 | | 53 | | 40-140 | 1 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 57 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 56 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 56 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,13-15,20,28 Batch: WG1405069-2 WG1405069-3 | | | | | | | | | |
| Aroclor 1016 | 88 | | 85 | | 40-140 | 3 | | 50 | A |
| Aroclor 1260 | 85 | | 81 | | 40-140 | 5 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 73 | | 30-150 | A |
| Decachlorobiphenyl | 66 | | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 74 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 57 | | 30-150 | B |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 18-19,21-22,24-27 Batch: WG1405247-2 WG1405247-3 | | | | | | | | | |
| Aroclor 1016 | 94 | | 92 | | 40-140 | 2 | | 50 | A |
| Aroclor 1260 | 88 | | 88 | | 40-140 | 0 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 84 | | 84 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 77 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-12,16 Batch: WG1405286-2 WG1405286-3 | | | | | | | | | |
| Aroclor 1016 | 71 | | 89 | | 40-140 | 23 | | 50 | A |
| Aroclor 1260 | 66 | | 88 | | 40-140 | 29 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 72 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 79 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 23 Batch: WG1405499-2 WG1405499-3 | | | | | | | | | |
| Aroclor 1016 | 71 | | 69 | | 40-140 | 2 | | 50 | A |
| Aroclor 1260 | 63 | | 54 | | 40-140 | 16 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 71 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 70 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 72 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 29,31-34 Batch: WG1405635-2 WG1405635-3 | | | | | | | | | |
| Aroclor 1016 | 91 | | 93 | | 40-140 | 2 | | 50 | A |
| Aroclor 1260 | 75 | | 76 | | 40-140 | 1 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 94 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | | 88 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 85 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 36-38 Batch: WG1406240-2 WG1406240-3 | | | | | | | | | |
| Aroclor 1016 | 73 | | 71 | | 40-140 | 3 | | 50 | A |
| Aroclor 1260 | 68 | | 66 | | 40-140 | 3 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 69 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 69 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 57 | | 30-150 | B |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| 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): 18-19,21-22,24-27 QC Batch ID: WG1405247-4 WG1405247-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 258 | 206 | 80 | | 159 | 61 | | 40-140 | 26 | | 50 | A |
| Aroclor 1260 | ND | 258 | 145 | 56 | | 128 | 49 | | 40-140 | 12 | | 50 | A |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 46 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 49 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 41 | | 30-150 | B |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| 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): 29,31-34 QC Batch ID: WG1405635-6 WG1405635-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 232 | 156 | 67 | | 133 | 58 | | 40-140 | 16 | | 50 | A |
| Aroclor 1260 | 12.3J | 232 | 149 | 64 | | 126 | 55 | | 40-140 | 17 | | 50 | A |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 54 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 47 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 55 | | 30-150 | B |
| Decachlorobiphenyl | 59 | | 48 | | 30-150 | B |

PESTICIDES

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/01/20 08:52
 Analyst: BM
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:21
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.68 | 0.330 | 1 | A |
| Lindane | ND | | ug/kg | 0.701 | 0.314 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.701 | 0.199 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.68 | 0.638 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.842 | 0.377 | 1 | A |
| Aldrin | ND | | ug/kg | 1.68 | 0.593 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.16 | 0.947 | 1 | A |
| Endrin | ND | | ug/kg | 0.701 | 0.288 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.10 | 0.736 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.68 | 0.434 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.05 | 0.526 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.68 | 0.389 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.68 | 0.600 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.16 | 1.35 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.68 | 0.398 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.68 | 0.562 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.701 | 0.334 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.16 | 0.982 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.6 | 8.84 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.10 | 0.586 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.10 | 0.556 | 1 | A |
| Chlordane | ND | | ug/kg | 14.0 | 5.58 | 1 | A |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
 Client ID: 030_LSB-44_3.0-5.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 09:32
 Analyst: SM
 Percent Solids: 90%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| 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 | 89 | | 30-150 | A |
| DCAA | 89 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/01/20 09:05
 Analyst: BM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:21
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.92 | 0.376 | 1 | B |
| Lindane | ND | | ug/kg | 0.800 | 0.358 | 1 | B |
| Alpha-BHC | ND | | ug/kg | 0.800 | 0.227 | 1 | B |
| Beta-BHC | ND | | ug/kg | 1.92 | 0.728 | 1 | B |
| Heptachlor | ND | | ug/kg | 0.960 | 0.430 | 1 | B |
| Aldrin | ND | | ug/kg | 1.92 | 0.676 | 1 | B |
| Heptachlor epoxide | ND | | ug/kg | 3.60 | 1.08 | 1 | B |
| Endrin | ND | | ug/kg | 0.800 | 0.328 | 1 | B |
| Endrin aldehyde | ND | | ug/kg | 2.40 | 0.840 | 1 | B |
| Endrin ketone | ND | | ug/kg | 1.92 | 0.494 | 1 | B |
| Dieldrin | ND | | ug/kg | 1.20 | 0.600 | 1 | B |
| 4,4'-DDE | ND | | ug/kg | 1.92 | 0.444 | 1 | B |
| 4,4'-DDD | ND | | ug/kg | 1.92 | 0.685 | 1 | B |
| 4,4'-DDT | ND | | ug/kg | 3.60 | 1.54 | 1 | B |
| Endosulfan I | ND | | ug/kg | 1.92 | 0.454 | 1 | B |
| Endosulfan II | ND | | ug/kg | 1.92 | 0.642 | 1 | B |
| Endosulfan sulfate | ND | | ug/kg | 0.800 | 0.381 | 1 | B |
| Methoxychlor | ND | | ug/kg | 3.60 | 1.12 | 1 | B |
| Toxaphene | ND | | ug/kg | 36.0 | 10.1 | 1 | B |
| cis-Chlordane | ND | | ug/kg | 2.40 | 0.669 | 1 | B |
| trans-Chlordane | ND | | ug/kg | 2.40 | 0.634 | 1 | B |
| Chlordane | ND | | ug/kg | 16.0 | 6.36 | 1 | B |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-02

Date Collected: 08/27/20 11:05

Client ID: 031_LSB-44_12.0-14.0

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 1120 | Q | 30-150 | A |
| Decachlorobiphenyl | 23 | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 43 | | 30-150 | B |
| Decachlorobiphenyl | 35 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02
 Client ID: 031_LSB-44_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 09:51
 Analyst: SM
 Percent Solids: 81%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 202 | 12.7 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 202 | 6.25 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 202 | 5.36 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 84 | | 30-150 | A |
| DCAA | 81 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 09:17
Analyst: BM
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/31/20 01:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 2.10 | 0.411 | 1 | B |
| Lindane | ND | | ug/kg | 0.875 | 0.391 | 1 | B |
| Alpha-BHC | ND | | ug/kg | 0.875 | 0.248 | 1 | B |
| Beta-BHC | ND | | ug/kg | 2.10 | 0.796 | 1 | B |
| Heptachlor | ND | | ug/kg | 1.05 | 0.471 | 1 | B |
| Aldrin | ND | | ug/kg | 2.10 | 0.739 | 1 | B |
| Heptachlor epoxide | ND | | ug/kg | 3.94 | 1.18 | 1 | B |
| Endrin | ND | | ug/kg | 0.875 | 0.359 | 1 | B |
| Endrin aldehyde | ND | | ug/kg | 2.62 | 0.919 | 1 | B |
| Endrin ketone | ND | | ug/kg | 2.10 | 0.541 | 1 | B |
| Dieldrin | ND | | ug/kg | 1.31 | 0.656 | 1 | B |
| 4,4'-DDE | ND | | ug/kg | 2.10 | 0.486 | 1 | B |
| 4,4'-DDD | ND | | ug/kg | 2.10 | 0.749 | 1 | B |
| 4,4'-DDT | ND | | ug/kg | 3.94 | 1.69 | 1 | B |
| Endosulfan I | ND | | ug/kg | 2.10 | 0.496 | 1 | B |
| Endosulfan II | ND | | ug/kg | 2.10 | 0.702 | 1 | B |
| Endosulfan sulfate | ND | | ug/kg | 0.875 | 0.416 | 1 | B |
| Methoxychlor | ND | | ug/kg | 3.94 | 1.22 | 1 | B |
| Toxaphene | ND | | ug/kg | 39.4 | 11.0 | 1 | B |
| cis-Chlordane | ND | | ug/kg | 2.62 | 0.731 | 1 | B |
| trans-Chlordane | ND | | ug/kg | 2.62 | 0.693 | 1 | B |
| Chlordane | ND | | ug/kg | 17.5 | 6.96 | 1 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
 Client ID: 032_DUP-1
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
 Date Received: 08/27/20
 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 | 3570 | Q | 30-150 | A |
| Decachlorobiphenyl | 21 | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
 Client ID: 032_DUP-1
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/02/20 15:58
 Analyst: JMC
 Percent Solids: 74%
 Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
 Extraction Date: 09/01/20 04:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 224 | 14.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 224 | 6.94 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 224 | 5.96 | 1 | A |

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

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8081B
Analytical Date: 09/02/20 12:46
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 00:55

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-05

Date Collected: 08/27/20 12:00

Client ID: 034_FB_08272020

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 69 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
 Client ID: 034_FB_08272020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8151A
 Analytical Date: 09/02/20 13:58
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/01/20 09:13

Methylation Date: 09/02/20 05:17

| 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 | 106 | | 30-150 | A |
| DCAA | 85 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/01/20 21:24
 Analyst: BM
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:36
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.64 | 0.321 | 1 | A |
| Lindane | ND | | ug/kg | 0.684 | 0.306 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.684 | 0.194 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.64 | 0.622 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.821 | 0.368 | 1 | A |
| Aldrin | ND | | ug/kg | 1.64 | 0.578 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.08 | 0.923 | 1 | A |
| Endrin | ND | | ug/kg | 0.684 | 0.280 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.05 | 0.718 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.64 | 0.423 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.02 | 0.513 | 1 | A |
| 4,4'-DDE | 2.30 | | ug/kg | 1.64 | 0.380 | 1 | B |
| 4,4'-DDD | ND | | ug/kg | 1.64 | 0.585 | 1 | A |
| 4,4'-DDT | 6.92 | IP | ug/kg | 3.08 | 1.32 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.64 | 0.388 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.64 | 0.548 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.684 | 0.326 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.08 | 0.958 | 1 | A |
| Toxaphene | ND | | ug/kg | 30.8 | 8.62 | 1 | A |
| cis-Chlordane | 1.33 | J | ug/kg | 2.05 | 0.572 | 1 | A |
| trans-Chlordane | 1.29 | JIP | ug/kg | 2.05 | 0.542 | 1 | A |
| Chlordane | ND | | ug/kg | 13.7 | 5.44 | 1 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 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 | 64 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
 Client ID: 037_LSB-43_2.5-4.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 08/30/20 19:57
 Analyst: JMC
 Percent Solids: 92%
 Methylation Date: 08/30/20 07:19

Extraction Method: EPA 8151A
 Extraction Date: 08/29/20 23:30

| 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 | 5.52 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 178 | 4.73 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 77 | | 30-150 | A |
| DCAA | 76 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 08/30/20 20:15
 Analyst: JMC
 Percent Solids: 74%
 Methylation Date: 08/30/20 07:19

Extraction Method: EPA 8151A
 Extraction Date: 08/29/20 23:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 224 | 14.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 224 | 6.95 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 224 | 5.96 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 80 | | 30-150 | A |
| DCAA | 78 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-09 D
 Client ID: 038_LSB-43_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:25
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/02/20 10:22
 Analyst: SM
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:37
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 21.1 | 4.14 | 10 | A |
| Lindane | ND | | ug/kg | 8.80 | 3.94 | 10 | A |
| Alpha-BHC | ND | | ug/kg | 8.80 | 2.50 | 10 | A |
| Beta-BHC | ND | | ug/kg | 21.1 | 8.01 | 10 | A |
| Heptachlor | ND | | ug/kg | 10.6 | 4.74 | 10 | A |
| Aldrin | ND | | ug/kg | 21.1 | 7.44 | 10 | A |
| Heptachlor epoxide | ND | | ug/kg | 39.6 | 11.9 | 10 | A |
| Endrin | ND | | ug/kg | 8.80 | 3.61 | 10 | A |
| Endrin aldehyde | ND | | ug/kg | 26.4 | 9.24 | 10 | A |
| Endrin ketone | ND | | ug/kg | 21.1 | 5.44 | 10 | A |
| Dieldrin | ND | | ug/kg | 13.2 | 6.60 | 10 | A |
| 4,4'-DDE | ND | | ug/kg | 21.1 | 4.89 | 10 | A |
| 4,4'-DDD | ND | | ug/kg | 21.1 | 7.54 | 10 | A |
| 4,4'-DDT | ND | | ug/kg | 39.6 | 17.0 | 10 | A |
| Endosulfan I | ND | | ug/kg | 21.1 | 4.99 | 10 | A |
| Endosulfan II | ND | | ug/kg | 21.1 | 7.06 | 10 | A |
| Endosulfan sulfate | ND | | ug/kg | 8.80 | 4.19 | 10 | A |
| Methoxychlor | ND | | ug/kg | 39.6 | 12.3 | 10 | A |
| Toxaphene | ND | | ug/kg | 396 | 111. | 10 | A |
| cis-Chlordane | ND | | ug/kg | 26.4 | 7.36 | 10 | A |
| trans-Chlordane | ND | | ug/kg | 26.4 | 6.97 | 10 | A |
| Chlordane | ND | | ug/kg | 176 | 70.0 | 10 | A |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-09 D

Date Collected: 08/28/20 08:25

Client ID: 038_LSB-43_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 36000 | Q | 30-150 | A |
| Decachlorobiphenyl | 123 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 883 | Q | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/01/20 21:50
 Analyst: BM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:37
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.91 | 0.375 | 1 | A |
| Lindane | ND | | ug/kg | 0.797 | 0.356 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.797 | 0.226 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.91 | 0.725 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.957 | 0.429 | 1 | A |
| Aldrin | ND | | ug/kg | 1.91 | 0.674 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.59 | 1.08 | 1 | A |
| Endrin | ND | | ug/kg | 0.797 | 0.327 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.39 | 0.837 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.91 | 0.493 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.20 | 0.598 | 1 | A |
| 4,4'-DDE | 11.8 | | ug/kg | 1.91 | 0.442 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.91 | 0.682 | 1 | A |
| 4,4'-DDT | 23.2 | | ug/kg | 3.59 | 1.54 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.91 | 0.452 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.91 | 0.639 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.797 | 0.379 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.59 | 1.12 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.9 | 10.0 | 1 | A |
| cis-Chlordane | 2.63 | | ug/kg | 2.39 | 0.666 | 1 | A |
| trans-Chlordane | 2.88 | IP | ug/kg | 2.39 | 0.631 | 1 | A |
| Chlordane | ND | | ug/kg | 15.9 | 6.34 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-11

Date Collected: 08/28/20 11:15

Client ID: 040_LSB-42_1.5-3.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 59 | | 30-150 | A |
| Decachlorobiphenyl | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-11 D
 Client ID: 040_LSB-42_1.5-3.5
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 08/31/20 12:38
 Analyst: DGM
 Percent Solids: 81%
 Methylation Date: 08/30/20 07:19

Extraction Method: EPA 8151A
 Extraction Date: 08/29/20 23:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 2020 | 127. | 10 | A |
| 2,4,5-T | ND | | ug/kg | 2020 | 62.7 | 10 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 2020 | 53.8 | 10 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 22 | Q | 30-150 | A |
| DCAA | 32 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 10:09
 Analyst: SM
 Percent Solids: 84%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 196 | 12.3 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 196 | 6.06 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 196 | 5.20 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 85 | | 30-150 | A |
| DCAA | 88 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-12 D
 Client ID: 041_LSB-42_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:20
 Date Received: 08/28/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/02/20 10:33
 Analyst: SM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 08/31/20 01:37
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 18.7 | 3.66 | 10 | A |
| Lindane | ND | | ug/kg | 7.80 | 3.48 | 10 | A |
| Alpha-BHC | ND | | ug/kg | 7.80 | 2.21 | 10 | A |
| Beta-BHC | ND | | ug/kg | 18.7 | 7.10 | 10 | A |
| Heptachlor | ND | | ug/kg | 9.36 | 4.19 | 10 | A |
| Aldrin | ND | | ug/kg | 18.7 | 6.59 | 10 | A |
| Heptachlor epoxide | ND | | ug/kg | 35.1 | 10.5 | 10 | A |
| Endrin | ND | | ug/kg | 7.80 | 3.20 | 10 | A |
| Endrin aldehyde | ND | | ug/kg | 23.4 | 8.19 | 10 | A |
| Endrin ketone | ND | | ug/kg | 18.7 | 4.82 | 10 | A |
| Dieldrin | ND | | ug/kg | 11.7 | 5.85 | 10 | A |
| 4,4'-DDE | ND | | ug/kg | 18.7 | 4.33 | 10 | A |
| 4,4'-DDD | ND | | ug/kg | 18.7 | 6.67 | 10 | A |
| 4,4'-DDT | ND | | ug/kg | 35.1 | 15.0 | 10 | A |
| Endosulfan I | ND | | ug/kg | 18.7 | 4.42 | 10 | A |
| Endosulfan II | ND | | ug/kg | 18.7 | 6.25 | 10 | A |
| Endosulfan sulfate | ND | | ug/kg | 7.80 | 3.71 | 10 | A |
| Methoxychlor | ND | | ug/kg | 35.1 | 10.9 | 10 | A |
| Toxaphene | ND | | ug/kg | 351 | 98.2 | 10 | A |
| cis-Chlordane | ND | | ug/kg | 23.4 | 6.52 | 10 | A |
| trans-Chlordane | ND | | ug/kg | 23.4 | 6.18 | 10 | A |
| Chlordane | ND | | ug/kg | 156 | 62.0 | 10 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12 D

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 34700 | Q | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | B |
| Decachlorobiphenyl | 3120 | Q | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
Client ID: 047_LSB-41_4.0-6.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/04/20 12:13
Analyst: BM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 14:11
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.92 | 0.376 | 1 | A |
| Lindane | ND | | ug/kg | 0.801 | 0.358 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.801 | 0.228 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.92 | 0.729 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.962 | 0.431 | 1 | A |
| Aldrin | ND | | ug/kg | 1.92 | 0.677 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.60 | 1.08 | 1 | A |
| Endrin | ND | | ug/kg | 0.801 | 0.328 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.40 | 0.841 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.92 | 0.495 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.20 | 0.601 | 1 | B |
| 4,4'-DDE | 0.585 | J | ug/kg | 1.92 | 0.445 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.92 | 0.686 | 1 | A |
| 4,4'-DDT | 2.00 | J | ug/kg | 3.60 | 1.55 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.92 | 0.454 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.92 | 0.643 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.801 | 0.381 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.60 | 1.12 | 1 | A |
| Toxaphene | ND | | ug/kg | 36.0 | 10.1 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.40 | 0.670 | 1 | A |
| trans-Chlordane | 1.29 | JIP | ug/kg | 2.40 | 0.634 | 1 | A |
| Chlordane | ND | | ug/kg | 16.0 | 6.37 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18

Date Collected: 08/31/20 08:00

Client ID: 047_LSB-41_4.0-6.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 67 | | 30-150 | A |
| Decachlorobiphenyl | 44 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | B |
| Decachlorobiphenyl | 40 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 11:59
 Analyst: SM
 Percent Solids: 80%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| 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 | 82 | | 30-150 | A |
| DCAA | 87 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 11:04
 Analyst: SM
 Percent Solids: 66%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 252 | 15.9 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 252 | 7.80 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 252 | 6.70 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 82 | | 30-150 | A |
| DCAA | 87 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19 D
 Client ID: 048_LSB-41_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 08:10
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/08/20 10:26
 Analyst: BM
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 24.2 | 4.74 | 10 | A |
| Lindane | ND | | ug/kg | 10.1 | 4.50 | 10 | A |
| Alpha-BHC | ND | | ug/kg | 10.1 | 2.86 | 10 | A |
| Beta-BHC | ND | | ug/kg | 24.2 | 9.17 | 10 | A |
| Heptachlor | ND | | ug/kg | 12.1 | 5.42 | 10 | A |
| Aldrin | ND | | ug/kg | 24.2 | 8.52 | 10 | A |
| Heptachlor epoxide | ND | | ug/kg | 45.4 | 13.6 | 10 | A |
| Endrin | ND | | ug/kg | 10.1 | 4.13 | 10 | A |
| Endrin aldehyde | ND | | ug/kg | 30.2 | 10.6 | 10 | A |
| Endrin ketone | ND | | ug/kg | 24.2 | 6.23 | 10 | A |
| Dieldrin | ND | | ug/kg | 15.1 | 7.56 | 10 | A |
| 4,4'-DDE | ND | | ug/kg | 24.2 | 5.59 | 10 | A |
| 4,4'-DDD | ND | | ug/kg | 24.2 | 8.63 | 10 | A |
| 4,4'-DDT | ND | | ug/kg | 45.4 | 19.4 | 10 | A |
| Endosulfan I | ND | | ug/kg | 24.2 | 5.71 | 10 | A |
| Endosulfan II | ND | | ug/kg | 24.2 | 8.08 | 10 | A |
| Endosulfan sulfate | ND | | ug/kg | 10.1 | 4.80 | 10 | A |
| Methoxychlor | ND | | ug/kg | 45.4 | 14.1 | 10 | A |
| Toxaphene | ND | | ug/kg | 454 | 127. | 10 | A |
| cis-Chlordane | ND | | ug/kg | 30.2 | 8.42 | 10 | A |
| trans-Chlordane | ND | | ug/kg | 30.2 | 7.98 | 10 | A |
| Chlordane | ND | | ug/kg | 202 | 80.1 | 10 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-19 D

Date Collected: 08/31/20 08:10

Client ID: 048_LSB-41_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 102 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 110 | | 30-150 | B |
| Decachlorobiphenyl | 118 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/04/20 13:47
 Analyst: SL
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.82 | 0.357 | 1 | A |
| Lindane | ND | | ug/kg | 0.760 | 0.340 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.760 | 0.216 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.82 | 0.692 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.912 | 0.409 | 1 | A |
| Aldrin | ND | | ug/kg | 1.82 | 0.642 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.42 | 1.02 | 1 | A |
| Endrin | ND | | ug/kg | 0.760 | 0.312 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.28 | 0.798 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.82 | 0.470 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.14 | 0.570 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.82 | 0.422 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.82 | 0.650 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.42 | 1.47 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.82 | 0.431 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.82 | 0.610 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.760 | 0.362 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.42 | 1.06 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.2 | 9.58 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.28 | 0.635 | 1 | A |
| trans-Chlordane | 1.06 | JIP | ug/kg | 2.28 | 0.602 | 1 | A |
| Chlordane | ND | | ug/kg | 15.2 | 6.04 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21

Date Collected: 08/31/20 11:15

Client ID: 050_LSB-37_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-21
 Client ID: 050_LSB-37_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:15
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 11:23
 Analyst: SM
 Percent Solids: 86%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| 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 | 5.96 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 192 | 5.12 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 94 | | 30-150 | A |
| DCAA | 89 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 10:46
 Analyst: SM
 Percent Solids: 84%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 194 | 12.2 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 194 | 6.03 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 194 | 5.17 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 147 | | 30-150 | A |
| DCAA | 89 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22 D
 Client ID: 051_LSB-37_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/08/20 10:38
 Analyst: BM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 9.18 | 1.80 | 5 | A |
| Lindane | ND | | ug/kg | 3.82 | 1.71 | 5 | A |
| Alpha-BHC | ND | | ug/kg | 3.82 | 1.09 | 5 | A |
| Beta-BHC | ND | | ug/kg | 9.18 | 3.48 | 5 | A |
| Heptachlor | ND | | ug/kg | 4.59 | 2.06 | 5 | A |
| Aldrin | ND | | ug/kg | 9.18 | 3.23 | 5 | A |
| Heptachlor epoxide | ND | | ug/kg | 17.2 | 5.16 | 5 | A |
| Endrin | ND | | ug/kg | 3.82 | 1.57 | 5 | A |
| Endrin aldehyde | ND | | ug/kg | 11.5 | 4.02 | 5 | A |
| Endrin ketone | ND | | ug/kg | 9.18 | 2.36 | 5 | A |
| Dieldrin | ND | | ug/kg | 5.74 | 2.87 | 5 | A |
| 4,4'-DDE | ND | | ug/kg | 9.18 | 2.12 | 5 | A |
| 4,4'-DDD | ND | | ug/kg | 9.18 | 3.27 | 5 | A |
| 4,4'-DDT | ND | | ug/kg | 17.2 | 7.38 | 5 | A |
| Endosulfan I | ND | | ug/kg | 9.18 | 2.17 | 5 | A |
| Endosulfan II | ND | | ug/kg | 9.18 | 3.07 | 5 | A |
| Endosulfan sulfate | ND | | ug/kg | 3.82 | 1.82 | 5 | A |
| Methoxychlor | ND | | ug/kg | 17.2 | 5.36 | 5 | A |
| Toxaphene | ND | | ug/kg | 172 | 48.2 | 5 | A |
| cis-Chlordane | ND | | ug/kg | 11.5 | 3.20 | 5 | A |
| trans-Chlordane | ND | | ug/kg | 11.5 | 3.03 | 5 | A |
| Chlordane | ND | | ug/kg | 76.5 | 30.4 | 5 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-22 D

Date Collected: 08/31/20 11:20

Client ID: 051_LSB-37_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 98 | | 30-150 | A |
| Decachlorobiphenyl | 102 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/02/20 09:45
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-23

Date Collected: 08/31/20 11:00

Client ID: 052_FB_08312020

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 63 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
 Client ID: 052_FB_08312020
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/04/20 13:06
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/03/20 19:06

Methylation Date: 09/04/20 07:02

| 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 | 61 | | 30-150 | A |
| DCAA | 69 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
Client ID: 053_LSB-40_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/04/20 14:10
Analyst: SL
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 14:11
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 2.00 | 0.393 | 1 | A |
| Lindane | ND | | ug/kg | 0.835 | 0.373 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.835 | 0.237 | 1 | A |
| Beta-BHC | ND | | ug/kg | 2.00 | 0.760 | 1 | A |
| Heptachlor | ND | | ug/kg | 1.00 | 0.449 | 1 | A |
| Aldrin | ND | | ug/kg | 2.00 | 0.706 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.76 | 1.13 | 1 | A |
| Endrin | ND | | ug/kg | 0.835 | 0.342 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.51 | 0.877 | 1 | A |
| Endrin ketone | ND | | ug/kg | 2.00 | 0.516 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.25 | 0.627 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 2.00 | 0.464 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 2.00 | 0.715 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.76 | 1.61 | 1 | A |
| Endosulfan I | ND | | ug/kg | 2.00 | 0.474 | 1 | A |
| Endosulfan II | ND | | ug/kg | 2.00 | 0.670 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.835 | 0.398 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.76 | 1.17 | 1 | A |
| Toxaphene | ND | | ug/kg | 37.6 | 10.5 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.51 | 0.698 | 1 | A |
| trans-Chlordane | 1.06 | JIP | ug/kg | 2.51 | 0.662 | 1 | A |
| Chlordane | ND | | ug/kg | 16.7 | 6.64 | 1 | A |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 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 | 70 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24
 Client ID: 053_LSB-40_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:45
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 10:27
 Analyst: SM
 Percent Solids: 79%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 207 | 13.0 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 207 | 6.41 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 207 | 5.50 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 79 | | 30-150 | A |
| DCAA | 84 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/04/20 22:46
 Analyst: BM
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.98 | 0.388 | 1 | A |
| Lindane | ND | | ug/kg | 0.826 | 0.369 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.826 | 0.234 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.98 | 0.751 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.991 | 0.444 | 1 | A |
| Aldrin | ND | | ug/kg | 1.98 | 0.698 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.72 | 1.11 | 1 | A |
| Endrin | ND | | ug/kg | 0.826 | 0.338 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.48 | 0.867 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.98 | 0.510 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.24 | 0.619 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.98 | 0.458 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.98 | 0.707 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.72 | 1.59 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.98 | 0.468 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.98 | 0.662 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.826 | 0.393 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.72 | 1.16 | 1 | A |
| Toxaphene | ND | | ug/kg | 37.2 | 10.4 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.48 | 0.690 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.48 | 0.654 | 1 | A |
| Chlordane | ND | | ug/kg | 16.5 | 6.56 | 1 | A |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 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 | 117 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 347 | Q | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25
 Client ID: 054_LSB-40_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:50
 Date Received: 08/31/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/03/20 12:54
 Analyst: SM
 Percent Solids: 79%
 Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
 Extraction Date: 09/02/20 00:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 207 | 13.0 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 207 | 6.41 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 207 | 5.50 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 73 | | 30-150 | A |
| DCAA | 77 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
Client ID: 060_LSB-36_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/20 20:18
Analyst: BM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 18:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.72 | 0.336 | 1 | A |
| Lindane | ND | | ug/kg | 0.715 | 0.320 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.715 | 0.203 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.72 | 0.650 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.858 | 0.384 | 1 | A |
| Aldrin | ND | | ug/kg | 1.72 | 0.604 | 1 | A |
| Heptachlor epoxide | 2.41 | J | ug/kg | 3.22 | 0.965 | 1 | B |
| Endrin | ND | | ug/kg | 0.715 | 0.293 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.14 | 0.751 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.72 | 0.442 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.07 | 0.536 | 1 | A |
| 4,4'-DDE | 9.89 | | ug/kg | 1.72 | 0.397 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.72 | 0.612 | 1 | A |
| 4,4'-DDT | 37.2 | | ug/kg | 3.22 | 1.38 | 1 | B |
| Endosulfan I | ND | | ug/kg | 1.72 | 0.405 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.72 | 0.573 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.715 | 0.340 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.22 | 1.00 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.2 | 9.01 | 1 | A |
| cis-Chlordane | 11.1 | | ug/kg | 2.14 | 0.598 | 1 | B |
| trans-Chlordane | 10.1 | IP | ug/kg | 2.14 | 0.566 | 1 | A |
| Chlordane | 102 | P | ug/kg | 14.3 | 5.68 | 1 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 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 | 69 | | 30-150 | A |
| Decachlorobiphenyl | 53 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 137 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
 Client ID: 060_LSB-36_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/04/20 14:20
 Analyst: JMC
 Percent Solids: 91%
 Methylation Date: 09/03/20 19:30

Extraction Method: EPA 8151A
 Extraction Date: 09/03/20 01:35

| 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 | 5.66 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 182 | 4.85 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 58 | | 30-150 | A |
| DCAA | 66 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
Client ID: 061_LSB-36_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/20 20:31
Analyst: BM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 18:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.90 | 0.373 | 1 | A |
| Lindane | ND | | ug/kg | 0.793 | 0.354 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.793 | 0.225 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.90 | 0.722 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.951 | 0.426 | 1 | A |
| Aldrin | ND | | ug/kg | 1.90 | 0.670 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.57 | 1.07 | 1 | A |
| Endrin | ND | | ug/kg | 0.793 | 0.325 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.38 | 0.832 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.90 | 0.490 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.19 | 0.595 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.90 | 0.440 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.90 | 0.679 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.57 | 1.53 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.90 | 0.450 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.90 | 0.636 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.793 | 0.377 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.57 | 1.11 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.7 | 9.99 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.38 | 0.663 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.38 | 0.628 | 1 | A |
| Chlordane | ND | | ug/kg | 15.8 | 6.30 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-32

Date Collected: 09/01/20 09:10

Client ID: 061_LSB-36_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 98 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32
 Client ID: 061_LSB-36_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:10
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/04/20 14:38
 Analyst: JMC
 Percent Solids: 82%
 Methylation Date: 09/03/20 19:30

Extraction Method: EPA 8151A
 Extraction Date: 09/03/20 01:35

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 198 | 12.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 198 | 6.14 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 198 | 5.27 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 59 | | 30-150 | A |
| DCAA | 65 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/20 19:39
Analyst: BM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 18:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.79 | 0.350 | 1 | A |
| Lindane | ND | | ug/kg | 0.746 | 0.333 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.746 | 0.212 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.79 | 0.678 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.895 | 0.401 | 1 | A |
| Aldrin | ND | | ug/kg | 1.79 | 0.630 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.36 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.746 | 0.306 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.24 | 0.783 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.79 | 0.461 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.559 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.79 | 0.414 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.79 | 0.638 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.36 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.79 | 0.423 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.79 | 0.598 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.746 | 0.355 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.36 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.6 | 9.39 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.24 | 0.623 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.24 | 0.590 | 1 | A |
| Chlordane | ND | | ug/kg | 14.9 | 5.93 | 1 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 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 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 63 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
 Client ID: 062_LSB-38_2.0-4.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/09/20 10:04
 Analyst: DGM
 Percent Solids: 88%
 Methylation Date: 09/09/20 06:54

Extraction Method: EPA 8151A
 Extraction Date: 09/08/20 18:23

| 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 | 5.78 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 186 | 4.96 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 88 | | 30-150 | A |
| DCAA | 91 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
Client ID: 063_LSB-38_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/03/20 20:44
Analyst: BM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/02/20 18:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.87 | 0.367 | 1 | A |
| Lindane | ND | | ug/kg | 0.781 | 0.349 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.781 | 0.222 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.87 | 0.711 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.937 | 0.420 | 1 | A |
| Aldrin | ND | | ug/kg | 1.87 | 0.660 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.51 | 1.05 | 1 | A |
| Endrin | ND | | ug/kg | 0.781 | 0.320 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.34 | 0.820 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.87 | 0.482 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.17 | 0.586 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.87 | 0.433 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.87 | 0.668 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.51 | 1.51 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.87 | 0.443 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.87 | 0.626 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.781 | 0.372 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.51 | 1.09 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.1 | 9.84 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.34 | 0.653 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.34 | 0.618 | 1 | A |
| Chlordane | ND | | ug/kg | 15.6 | 6.21 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-34

Date Collected: 09/01/20 10:30

Client ID: 063_LSB-38_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 106 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
 Client ID: 063_LSB-38_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/05/20 19:29
 Analyst: SM
 Percent Solids: 82%
 Methylation Date: 09/04/20 22:39

Extraction Method: EPA 8151A
 Extraction Date: 09/03/20 16:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 201 | 12.7 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 201 | 6.23 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 201 | 5.35 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 67 | | 30-150 | A |
| DCAA | 74 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
Client ID: 065_LSB-39_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/09/20 14:12
Analyst: BM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 2.02 | 0.395 | 1 | A |
| Lindane | ND | | ug/kg | 0.841 | 0.376 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.841 | 0.239 | 1 | A |
| Beta-BHC | ND | | ug/kg | 2.02 | 0.766 | 1 | A |
| Heptachlor | ND | | ug/kg | 1.01 | 0.453 | 1 | A |
| Aldrin | ND | | ug/kg | 2.02 | 0.711 | 1 | A |
| Heptachlor epoxide | ND | IP | ug/kg | 3.78 | 1.14 | 1 | B |
| Endrin | ND | | ug/kg | 0.841 | 0.345 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.52 | 0.883 | 1 | A |
| Endrin ketone | ND | | ug/kg | 2.02 | 0.520 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.26 | 0.631 | 1 | A |
| 4,4'-DDE | ND | IP | ug/kg | 2.02 | 0.467 | 1 | B |
| 4,4'-DDD | 9.71 | | ug/kg | 2.02 | 0.720 | 1 | B |
| 4,4'-DDT | ND | | ug/kg | 3.78 | 1.62 | 1 | A |
| Endosulfan I | ND | | ug/kg | 2.02 | 0.477 | 1 | A |
| Endosulfan II | ND | | ug/kg | 2.02 | 0.675 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.841 | 0.400 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.78 | 1.18 | 1 | A |
| Toxaphene | ND | | ug/kg | 37.8 | 10.6 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.52 | 0.703 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.52 | 0.666 | 1 | A |
| Chlordane | ND | | ug/kg | 16.8 | 6.69 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36

Date Collected: 09/02/20 11:15

Client ID: 065_LSB-39_1.0-3.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 121 | | 30-150 | A |
| Decachlorobiphenyl | 200 | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 351 | Q | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-36
 Client ID: 065_LSB-39_1.0-3.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:15
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/08/20 13:31
 Analyst: JMC
 Percent Solids: 76%
 Methylation Date: 09/07/20 04:00

Extraction Method: EPA 8151A
 Extraction Date: 09/06/20 11:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 216 | 13.6 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 216 | 6.70 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 216 | 5.74 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 100 | | 30-150 | A |
| DCAA | 106 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
Client ID: 066_LSB-39_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
Date Received: 09/02/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/09/20 14:23
Analyst: BM
Percent Solids: 68%

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 2.24 | 0.439 | 1 | A |
| Lindane | ND | | ug/kg | 0.934 | 0.417 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.934 | 0.265 | 1 | A |
| Beta-BHC | ND | | ug/kg | 2.24 | 0.850 | 1 | A |
| Heptachlor | ND | | ug/kg | 1.12 | 0.502 | 1 | A |
| Aldrin | ND | | ug/kg | 2.24 | 0.789 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 4.20 | 1.26 | 1 | A |
| Endrin | ND | | ug/kg | 0.934 | 0.383 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.80 | 0.980 | 1 | A |
| Endrin ketone | ND | | ug/kg | 2.24 | 0.577 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.40 | 0.700 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 2.24 | 0.518 | 1 | A |
| 4,4'-DDD | 6.92 | | ug/kg | 2.24 | 0.799 | 1 | A |
| 4,4'-DDT | ND | IP | ug/kg | 4.20 | 1.80 | 1 | B |
| Endosulfan I | ND | | ug/kg | 2.24 | 0.529 | 1 | A |
| Endosulfan II | ND | | ug/kg | 2.24 | 0.749 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.934 | 0.444 | 1 | A |
| Methoxychlor | ND | | ug/kg | 4.20 | 1.31 | 1 | A |
| Toxaphene | ND | | ug/kg | 42.0 | 11.8 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.80 | 0.781 | 1 | A |
| trans-Chlordane | 2.93 | IP | ug/kg | 2.80 | 0.740 | 1 | A |
| Chlordane | ND | | ug/kg | 18.7 | 7.42 | 1 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 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 | 1170 | Q | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | B |
| Decachlorobiphenyl | 111 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37
 Client ID: 066_LSB-39_12.0-14.0
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:20
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/08/20 13:49
 Analyst: JMC
 Percent Solids: 68%
 Methylation Date: 09/07/20 04:00

Extraction Method: EPA 8151A
 Extraction Date: 09/06/20 11:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 240 | 15.1 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 240 | 7.44 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 240 | 6.38 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 97 | | 30-150 | A |
| DCAA | 101 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
 Client ID: 067_DUP-2
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/09/20 14:35
 Analyst: BM
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 11:42
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.91 | 0.374 | 1 | A |
| Lindane | ND | | ug/kg | 0.796 | 0.356 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.796 | 0.226 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.91 | 0.725 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.956 | 0.428 | 1 | A |
| Aldrin | ND | | ug/kg | 1.91 | 0.673 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.58 | 1.08 | 1 | A |
| Endrin | ND | | ug/kg | 0.796 | 0.326 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.39 | 0.836 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.91 | 0.492 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.19 | 0.597 | 1 | A |
| 4,4'-DDE | 0.609 | J | ug/kg | 1.91 | 0.442 | 1 | A |
| 4,4'-DDD | 1.18 | J | ug/kg | 1.91 | 0.682 | 1 | B |
| 4,4'-DDT | 2.74 | J | ug/kg | 3.58 | 1.54 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.91 | 0.452 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.91 | 0.639 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.796 | 0.379 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.58 | 1.12 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.8 | 10.0 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.39 | 0.666 | 1 | A |
| trans-Chlordane | 1.63 | JIP | ug/kg | 2.39 | 0.631 | 1 | A |
| Chlordane | ND | | ug/kg | 15.9 | 6.33 | 1 | A |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-38

Date Collected: 09/02/20 11:25

Client ID: 067_DUP-2

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 104 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 133 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38
 Client ID: 067_DUP-2
 Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/02/20 11:25
 Date Received: 09/02/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/08/20 14:07
 Analyst: JMC
 Percent Solids: 83%
 Methylation Date: 09/07/20 04:00

Extraction Method: EPA 8151A
 Extraction Date: 09/06/20 11:52

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|-----|------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/kg | 198 | 12.5 | 1 | A |
| 2,4,5-T | ND | | ug/kg | 198 | 6.15 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 198 | 5.28 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 102 | | 30-150 | A |
| DCAA | 97 | | 30-150 | B |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/30/20 15:27
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 08/29/20 03:10

Methylation Date: 08/30/20 07:19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08-09,11 Batch: WG1404347-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 165 | 10.4 | A |
| 2,4,5-T | ND | | ug/kg | 165 | 5.12 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 165 | 4.39 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA | 69 | | 30-150 | A |
| DCAA | 70 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/20 11:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 08/31/20 00:26
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1404654-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.52 | 0.297 | A |
| Lindane | ND | | ug/kg | 0.633 | 0.283 | A |
| Alpha-BHC | ND | | ug/kg | 0.633 | 0.180 | A |
| Beta-BHC | ND | | ug/kg | 1.52 | 0.576 | A |
| Heptachlor | ND | | ug/kg | 0.759 | 0.340 | A |
| Aldrin | ND | | ug/kg | 1.52 | 0.535 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.85 | 0.854 | A |
| Endrin | ND | | ug/kg | 0.633 | 0.259 | A |
| Endrin aldehyde | ND | | ug/kg | 1.90 | 0.664 | A |
| Endrin ketone | ND | | ug/kg | 1.52 | 0.391 | A |
| Dieldrin | ND | | ug/kg | 0.949 | 0.475 | A |
| 4,4'-DDE | ND | | ug/kg | 1.52 | 0.351 | A |
| 4,4'-DDD | ND | | ug/kg | 1.52 | 0.542 | A |
| 4,4'-DDT | ND | | ug/kg | 2.85 | 1.22 | A |
| Endosulfan I | ND | | ug/kg | 1.52 | 0.359 | A |
| Endosulfan II | ND | | ug/kg | 1.52 | 0.508 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.633 | 0.301 | A |
| Methoxychlor | ND | | ug/kg | 2.85 | 0.886 | A |
| Toxaphene | ND | | ug/kg | 28.5 | 7.97 | A |
| cis-Chlordane | ND | | ug/kg | 1.90 | 0.529 | A |
| trans-Chlordane | ND | | ug/kg | 1.90 | 0.501 | A |
| Chlordane | ND | | ug/kg | 12.6 | 5.03 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/20 11:40
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 08/31/20 00:26
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1404654-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 63 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/20 20:45
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 08/31/20 01:36
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-09,11-12 Batch: WG1404656-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.51 | 0.296 | A |
| Lindane | ND | | ug/kg | 0.631 | 0.282 | A |
| Alpha-BHC | ND | | ug/kg | 0.631 | 0.179 | A |
| Beta-BHC | ND | | ug/kg | 1.51 | 0.574 | A |
| Heptachlor | ND | | ug/kg | 0.757 | 0.339 | A |
| Aldrin | ND | | ug/kg | 1.51 | 0.533 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.84 | 0.852 | A |
| Endrin | ND | | ug/kg | 0.631 | 0.259 | A |
| Endrin aldehyde | ND | | ug/kg | 1.89 | 0.662 | A |
| Endrin ketone | ND | | ug/kg | 1.51 | 0.390 | A |
| Dieldrin | ND | | ug/kg | 0.946 | 0.473 | A |
| 4,4'-DDE | ND | | ug/kg | 1.51 | 0.350 | A |
| 4,4'-DDD | ND | | ug/kg | 1.51 | 0.540 | A |
| 4,4'-DDT | ND | | ug/kg | 2.84 | 1.22 | A |
| Endosulfan I | ND | | ug/kg | 1.51 | 0.358 | A |
| Endosulfan II | ND | | ug/kg | 1.51 | 0.506 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.631 | 0.300 | A |
| Methoxychlor | ND | | ug/kg | 2.84 | 0.883 | A |
| Toxaphene | ND | | ug/kg | 28.4 | 7.95 | A |
| cis-Chlordane | ND | | ug/kg | 1.89 | 0.527 | A |
| trans-Chlordane | ND | | ug/kg | 1.89 | 0.500 | A |
| Chlordane | ND | | ug/kg | 12.6 | 5.02 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/20 20:45
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 08/31/20 01:36
Cleanup Method: EPA 3620B
Cleanup Date: 09/01/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-09,11-12 Batch: WG1404656-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/02/20 10:22
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 03:58

Methylation Date: 09/02/20 04:45

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03 Batch: WG1405065-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 165 | 10.4 | A |
| 2,4,5-T | ND | | ug/kg | 165 | 5.12 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 165 | 4.40 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA | 93 | | 30-150 | A |
| DCAA | 89 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8151A
 Analytical Date: 09/02/20 11:52
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/01/20 09:13

Methylation Date: 09/02/20 05:17

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 05 Batch: WG1405163-1 | | | | | | |
| 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 | 96 | | 30-150 | A |
| DCAA | 84 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8081B
 Analytical Date: 09/04/20 10:31
 Analyst: SM

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 18,21,24 Batch: WG1405319-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.54 | 0.302 | A |
| Lindane | ND | | ug/kg | 0.642 | 0.287 | A |
| Alpha-BHC | ND | | ug/kg | 0.642 | 0.182 | A |
| Beta-BHC | ND | | ug/kg | 1.54 | 0.584 | A |
| Heptachlor | ND | | ug/kg | 0.770 | 0.345 | A |
| Aldrin | ND | | ug/kg | 1.54 | 0.542 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.89 | 0.866 | A |
| Endrin | ND | | ug/kg | 0.642 | 0.263 | A |
| Endrin aldehyde | ND | | ug/kg | 1.92 | 0.674 | A |
| Endrin ketone | ND | | ug/kg | 1.54 | 0.397 | A |
| Dieldrin | ND | | ug/kg | 0.963 | 0.481 | A |
| 4,4'-DDE | ND | | ug/kg | 1.54 | 0.356 | A |
| 4,4'-DDD | ND | | ug/kg | 1.54 | 0.549 | A |
| 4,4'-DDT | ND | | ug/kg | 2.89 | 1.24 | A |
| Endosulfan I | ND | | ug/kg | 1.54 | 0.364 | A |
| Endosulfan II | ND | | ug/kg | 1.54 | 0.515 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.642 | 0.306 | A |
| Methoxychlor | ND | | ug/kg | 2.89 | 0.898 | A |
| Toxaphene | ND | | ug/kg | 28.9 | 8.09 | A |
| cis-Chlordane | ND | | ug/kg | 1.92 | 0.536 | A |
| trans-Chlordane | ND | | ug/kg | 1.92 | 0.508 | A |
| Chlordane | ND | | ug/kg | 12.8 | 5.10 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8081B
Analytical Date: 09/04/20 10:31
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 14:11
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 18,21,24 Batch: WG1405319-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 88 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:13
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05,23 Batch: WG1405381-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:13
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05,23 Batch: WG1405381-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/03/20 07:42
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 09/02/20 00:03

Methylation Date: 09/02/20 21:48

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,12,18-19,21-22,24-25 Batch: WG1405458-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 164 | 10.4 | A |
| 2,4,5-T | ND | | ug/kg | 164 | 5.10 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 164 | 4.38 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|-----------|-----------|---------------------|--------|
| DCAA | 73 | | 30-150 | A |
| DCAA | 85 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8081B
Analytical Date: 09/03/20 18:22
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/02/20 10:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 31-34 Batch: WG1405661-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.52 | 0.297 | A |
| Lindane | ND | | ug/kg | 0.633 | 0.283 | A |
| Alpha-BHC | ND | | ug/kg | 0.633 | 0.180 | A |
| Beta-BHC | ND | | ug/kg | 1.52 | 0.576 | A |
| Heptachlor | ND | | ug/kg | 0.759 | 0.340 | A |
| Aldrin | ND | | ug/kg | 1.52 | 0.535 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.85 | 0.854 | A |
| Endrin | ND | | ug/kg | 0.633 | 0.259 | A |
| Endrin aldehyde | ND | | ug/kg | 1.90 | 0.664 | A |
| Endrin ketone | ND | | ug/kg | 1.52 | 0.391 | A |
| Dieldrin | ND | | ug/kg | 0.949 | 0.475 | A |
| 4,4'-DDE | ND | | ug/kg | 1.52 | 0.351 | A |
| 4,4'-DDD | ND | | ug/kg | 1.52 | 0.542 | A |
| 4,4'-DDT | ND | | ug/kg | 2.85 | 1.22 | A |
| Endosulfan I | ND | | ug/kg | 1.52 | 0.359 | A |
| Endosulfan II | ND | | ug/kg | 1.52 | 0.508 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.633 | 0.301 | A |
| Methoxychlor | ND | | ug/kg | 2.85 | 0.886 | A |
| Toxaphene | ND | | ug/kg | 28.5 | 7.97 | A |
| cis-Chlordane | ND | | ug/kg | 1.90 | 0.529 | A |
| trans-Chlordane | ND | | ug/kg | 1.90 | 0.501 | A |
| Chlordane | ND | | ug/kg | 12.6 | 5.03 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/03/20 18:22
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/02/20 10:21
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 31-34 Batch: WG1405661-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/03/20 21:07
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/03/20 01:27

Methylation Date: 09/03/20 19:30

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 31-32 Batch: WG1405963-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 164 | 10.3 | A |
| 2,4,5-T | ND | | ug/kg | 164 | 5.09 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 164 | 4.37 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA | 80 | | 30-150 | A |
| DCAA | 73 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/04/20 12:27
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 09/03/20 11:42
Cleanup Method: EPA 3620B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 36-38 Batch: WG1406204-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.54 | 0.302 | A |
| Lindane | ND | | ug/kg | 0.642 | 0.287 | A |
| Alpha-BHC | ND | | ug/kg | 0.642 | 0.182 | A |
| Beta-BHC | ND | | ug/kg | 1.54 | 0.584 | A |
| Heptachlor | ND | | ug/kg | 0.771 | 0.346 | A |
| Aldrin | ND | | ug/kg | 1.54 | 0.543 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.89 | 0.867 | A |
| Endrin | ND | | ug/kg | 0.642 | 0.263 | A |
| Endrin aldehyde | ND | | ug/kg | 1.93 | 0.674 | A |
| Endrin ketone | ND | | ug/kg | 1.54 | 0.397 | A |
| Dieldrin | ND | | ug/kg | 0.963 | 0.482 | A |
| 4,4'-DDE | ND | | ug/kg | 1.54 | 0.356 | A |
| 4,4'-DDD | ND | | ug/kg | 1.54 | 0.550 | A |
| 4,4'-DDT | ND | | ug/kg | 2.89 | 1.24 | A |
| Endosulfan I | ND | | ug/kg | 1.54 | 0.364 | A |
| Endosulfan II | ND | | ug/kg | 1.54 | 0.515 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.642 | 0.306 | A |
| Methoxychlor | ND | | ug/kg | 2.89 | 0.899 | A |
| Toxaphene | ND | | ug/kg | 28.9 | 8.09 | A |
| cis-Chlordane | ND | | ug/kg | 1.93 | 0.537 | A |
| trans-Chlordane | ND | | ug/kg | 1.93 | 0.509 | A |
| Chlordane | ND | | ug/kg | 12.8 | 5.10 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8081B
 Analytical Date: 09/04/20 12:27
 Analyst: SM

Extraction Method: EPA 3546
 Extraction Date: 09/03/20 11:42
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 36-38 Batch: WG1406204-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 94 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/05/20 17:39
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 09/03/20 16:11

Methylation Date: 09/04/20 22:39

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 34 Batch: WG1406303-1 | | | | | | |
| 2,4-D | ND | | ug/kg | 166 | 10.4 | A |
| 2,4,5-T | ND | | ug/kg | 166 | 5.13 | A |
| 2,4,5-TP (Silvex) | ND | | ug/kg | 166 | 4.40 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA | 60 | | 30-150 | A |
| DCAA | 68 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8151A
Analytical Date: 09/04/20 12:11
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/03/20 19:06

Methylation Date: 09/04/20 07:02

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 23 Batch: WG1406377-1 | | | | | | |
| 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 | 62 | | 30-150 | A |
| DCAA | 73 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8081B
Analytical Date: 09/04/20 22:01
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 14:11
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 19,22,25 Batch: WG1406913-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.54 | 0.302 | A |
| Lindane | ND | | ug/kg | 0.642 | 0.287 | A |
| Alpha-BHC | ND | | ug/kg | 0.642 | 0.182 | A |
| Beta-BHC | ND | | ug/kg | 1.54 | 0.584 | A |
| Heptachlor | ND | | ug/kg | 0.770 | 0.345 | A |
| Aldrin | ND | | ug/kg | 1.54 | 0.542 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.89 | 0.866 | A |
| Endrin | ND | | ug/kg | 0.642 | 0.263 | A |
| Endrin aldehyde | ND | | ug/kg | 1.92 | 0.674 | A |
| Endrin ketone | ND | | ug/kg | 1.54 | 0.397 | A |
| Dieldrin | ND | | ug/kg | 0.963 | 0.481 | A |
| 4,4'-DDE | ND | | ug/kg | 1.54 | 0.356 | A |
| 4,4'-DDD | ND | | ug/kg | 1.54 | 0.549 | A |
| 4,4'-DDT | ND | | ug/kg | 2.89 | 1.24 | A |
| Endosulfan I | ND | | ug/kg | 1.54 | 0.364 | A |
| Endosulfan II | ND | | ug/kg | 1.54 | 0.515 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.642 | 0.306 | A |
| Methoxychlor | ND | | ug/kg | 2.89 | 0.898 | A |
| Toxaphene | ND | | ug/kg | 28.9 | 8.09 | A |
| cis-Chlordane | ND | | ug/kg | 1.92 | 0.536 | A |
| trans-Chlordane | ND | | ug/kg | 1.92 | 0.508 | A |
| Chlordane | ND | | ug/kg | 12.8 | 5.10 | A |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8081B
 Analytical Date: 09/04/20 22:01
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 09/01/20 14:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/02/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/04/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 19,22,25 Batch: WG1406913-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/08/20 12:37
Analyst: JMC
Methylation Date: 09/07/20 04:00

Extraction Method: EPA 8151A
Extraction Date: 09/06/20 11:52

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 36-38 Batch: WG1407179-1 | | | | | | |
| 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 | 99 | | 30-150 | A |
| DCAA | 94 | | 30-150 | B |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/09/20 09:10
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 09/08/20 18:23

Methylation Date: 09/09/20 06:54

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-----|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 33 Batch: WG1407568-1 | | | | | | |
| 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 | 84 | | 30-150 | A |
| DCAA | 77 | | 30-150 | B |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08-09,11 Batch: WG1404347-2 WG1404347-3 | | | | | | | | | |
| 2,4-D | 90 | | 94 | | 30-150 | 4 | | 30 | A |
| 2,4,5-T | 88 | | 93 | | 30-150 | 6 | | 30 | A |
| 2,4,5-TP (Silvex) | 84 | | 89 | | 30-150 | 6 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 74 | | 79 | | 30-150 | A |
| DCAA | 78 | | 82 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1404654-2 WG1404654-3 | | | | | | | | | |
| Delta-BHC | 74 | | 80 | | 30-150 | 8 | | 30 | A |
| Lindane | 70 | | 73 | | 30-150 | 4 | | 30 | A |
| Alpha-BHC | 80 | | 83 | | 30-150 | 4 | | 30 | A |
| Beta-BHC | 71 | | 77 | | 30-150 | 8 | | 30 | A |
| Heptachlor | 78 | | 79 | | 30-150 | 1 | | 30 | A |
| Aldrin | 73 | | 75 | | 30-150 | 3 | | 30 | A |
| Heptachlor epoxide | 70 | | 71 | | 30-150 | 1 | | 30 | A |
| Endrin | 74 | | 74 | | 30-150 | 0 | | 30 | A |
| Endrin aldehyde | 56 | | 47 | | 30-150 | 17 | | 30 | A |
| Endrin ketone | 63 | | 68 | | 30-150 | 8 | | 30 | A |
| Dieldrin | 76 | | 76 | | 30-150 | 0 | | 30 | A |
| 4,4'-DDE | 70 | | 68 | | 30-150 | 3 | | 30 | A |
| 4,4'-DDD | 79 | | 78 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDT | 72 | | 72 | | 30-150 | 0 | | 30 | A |
| Endosulfan I | 71 | | 71 | | 30-150 | 0 | | 30 | A |
| Endosulfan II | 69 | | 73 | | 30-150 | 6 | | 30 | A |
| Endosulfan sulfate | 54 | | 55 | | 30-150 | 2 | | 30 | A |
| Methoxychlor | 68 | | 69 | | 30-150 | 1 | | 30 | A |
| cis-Chlordane | 59 | | 60 | | 30-150 | 2 | | 30 | A |
| trans-Chlordane | 75 | | 78 | | 30-150 | 4 | | 30 | A |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1404654-2 WG1404654-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 86 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 79 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 71 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-09,11-12 Batch: WG1404656-2 WG1404656-3 | | | | | | | | | |
| Delta-BHC | 65 | | 62 | | 30-150 | 5 | | 30 | A |
| Lindane | 62 | | 62 | | 30-150 | 0 | | 30 | A |
| Alpha-BHC | 69 | | 70 | | 30-150 | 1 | | 30 | A |
| Beta-BHC | 63 | | 60 | | 30-150 | 5 | | 30 | A |
| Heptachlor | 67 | | 65 | | 30-150 | 3 | | 30 | A |
| Aldrin | 61 | | 61 | | 30-150 | 0 | | 30 | A |
| Heptachlor epoxide | 59 | | 59 | | 30-150 | 0 | | 30 | A |
| Endrin | 61 | | 61 | | 30-150 | 0 | | 30 | A |
| Endrin aldehyde | 53 | | 49 | | 30-150 | 8 | | 30 | A |
| Endrin ketone | 60 | | 56 | | 30-150 | 7 | | 30 | A |
| Dieldrin | 63 | | 63 | | 30-150 | 0 | | 30 | A |
| 4,4'-DDE | 54 | | 54 | | 30-150 | 0 | | 30 | A |
| 4,4'-DDD | 62 | | 62 | | 30-150 | 0 | | 30 | A |
| 4,4'-DDT | 58 | | 58 | | 30-150 | 0 | | 30 | A |
| Endosulfan I | 60 | | 59 | | 30-150 | 2 | | 30 | A |
| Endosulfan II | 60 | | 59 | | 30-150 | 2 | | 30 | A |
| Endosulfan sulfate | 54 | | 49 | | 30-150 | 10 | | 30 | A |
| Methoxychlor | 59 | | 57 | | 30-150 | 3 | | 30 | A |
| cis-Chlordane | 49 | | 48 | | 30-150 | 2 | | 30 | A |
| trans-Chlordane | 61 | | 63 | | 30-150 | 3 | | 30 | A |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-09,11-12 Batch: WG1404656-2 WG1404656-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 68 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 68 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 64 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1405065-2 WG1405065-3 | | | | | | | | | |
| 2,4-D | 96 | | 97 | | 30-150 | 1 | | 30 | A |
| 2,4,5-T | 97 | | 99 | | 30-150 | 2 | | 30 | A |
| 2,4,5-TP (Silvex) | 92 | | 93 | | 30-150 | 1 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 89 | | 89 | | 30-150 | A |
| DCAA | 89 | | 97 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1405163-2 WG1405163-3 | | | | | | | | | |
| 2,4-D | 102 | | 99 | | 30-150 | 3 | | 25 | A |
| 2,4,5-T | 103 | | 102 | | 30-150 | 1 | | 25 | A |
| 2,4,5-TP (Silvex) | 99 | | 98 | | 30-150 | 1 | | 25 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 90 | | 89 | | 30-150 | A |
| DCAA | 96 | | 95 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18,21,24 Batch: WG1405319-2 WG1405319-3 | | | | | | | | | |
| Delta-BHC | 72 | | 77 | | 30-150 | 7 | | 30 | A |
| Lindane | 73 | | 77 | | 30-150 | 5 | | 30 | A |
| Alpha-BHC | 80 | | 84 | | 30-150 | 5 | | 30 | A |
| Beta-BHC | 82 | | 86 | | 30-150 | 5 | | 30 | A |
| Heptachlor | 78 | | 82 | | 30-150 | 5 | | 30 | A |
| Aldrin | 67 | | 70 | | 30-150 | 4 | | 30 | A |
| Heptachlor epoxide | 70 | | 76 | | 30-150 | 8 | | 30 | A |
| Endrin | 77 | | 80 | | 30-150 | 4 | | 30 | A |
| Endrin aldehyde | 58 | | 61 | | 30-150 | 5 | | 30 | A |
| Endrin ketone | 68 | | 73 | | 30-150 | 7 | | 30 | A |
| Dieldrin | 77 | | 80 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDE | 70 | | 73 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDD | 80 | | 84 | | 30-150 | 5 | | 30 | A |
| 4,4'-DDT | 79 | | 83 | | 30-150 | 5 | | 30 | A |
| Endosulfan I | 80 | | 83 | | 30-150 | 4 | | 30 | A |
| Endosulfan II | 72 | | 77 | | 30-150 | 7 | | 30 | A |
| Endosulfan sulfate | 63 | | 69 | | 30-150 | 9 | | 30 | A |
| Methoxychlor | 93 | | 97 | | 30-150 | 4 | | 30 | A |
| cis-Chlordane | 68 | | 70 | | 30-150 | 3 | | 30 | A |
| trans-Chlordane | 67 | | 72 | | 30-150 | 7 | | 30 | A |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|---|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18,21,24 Batch: WG1405319-2 WG1405319-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 83 | | 30-150 | A |
| Decachlorobiphenyl | 64 | | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 72 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 70 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05,23 Batch: WG1405381-2 WG1405381-3 | | | | | | | | | |
| Delta-BHC | 56 | | 57 | | 30-150 | 1 | | 20 | A |
| Lindane | 54 | | 56 | | 30-150 | 4 | | 20 | A |
| Alpha-BHC | 59 | | 62 | | 30-150 | 5 | | 20 | A |
| Beta-BHC | 64 | | 60 | | 30-150 | 7 | | 20 | A |
| Heptachlor | 55 | | 59 | | 30-150 | 8 | | 20 | A |
| Aldrin | 53 | | 59 | | 30-150 | 9 | | 20 | A |
| Heptachlor epoxide | 55 | | 60 | | 30-150 | 7 | | 20 | A |
| Endrin | 59 | | 62 | | 30-150 | 4 | | 20 | A |
| Endrin aldehyde | 54 | | 57 | | 30-150 | 5 | | 20 | A |
| Endrin ketone | 65 | | 69 | | 30-150 | 5 | | 20 | A |
| Dieldrin | 61 | | 66 | | 30-150 | 7 | | 20 | A |
| 4,4'-DDE | 55 | | 64 | | 30-150 | 15 | | 20 | A |
| 4,4'-DDD | 65 | | 68 | | 30-150 | 4 | | 20 | A |
| 4,4'-DDT | 65 | | 70 | | 30-150 | 8 | | 20 | A |
| Endosulfan I | 62 | | 61 | | 30-150 | 2 | | 20 | A |
| Endosulfan II | 61 | | 64 | | 30-150 | 6 | | 20 | A |
| Endosulfan sulfate | 61 | | 63 | | 30-150 | 4 | | 20 | A |
| Methoxychlor | 76 | | 72 | | 30-150 | 6 | | 20 | A |
| cis-Chlordane | 54 | | 59 | | 30-150 | 8 | | 20 | A |
| trans-Chlordane | 57 | | 61 | | 30-150 | 7 | | 20 | A |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05,23 Batch: WG1405381-2 WG1405381-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 62 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 82 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 69 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 73 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,12,18-19,21-22,24-25 Batch: WG1405458-2 WG1405458-3 | | | | | | | | | |
| 2,4-D | 87 | | 89 | | 30-150 | 2 | | 30 | A |
| 2,4,5-T | 98 | | 101 | | 30-150 | 3 | | 30 | A |
| 2,4,5-TP (Silvex) | 104 | | 108 | | 30-150 | 4 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 80 | | 86 | | 30-150 | A |
| DCAA | 99 | | 99 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 31-34 Batch: WG1405661-2 WG1405661-3 | | | | | | | | | |
| Delta-BHC | 67 | | 70 | | 30-150 | 4 | | 30 | A |
| Lindane | 70 | | 71 | | 30-150 | 1 | | 30 | A |
| Alpha-BHC | 77 | | 79 | | 30-150 | 3 | | 30 | A |
| Beta-BHC | 69 | | 72 | | 30-150 | 4 | | 30 | A |
| Heptachlor | 70 | | 73 | | 30-150 | 4 | | 30 | A |
| Aldrin | 66 | | 66 | | 30-150 | 0 | | 30 | A |
| Heptachlor epoxide | 64 | | 64 | | 30-150 | 0 | | 30 | A |
| Endrin | 65 | | 68 | | 30-150 | 5 | | 30 | A |
| Endrin aldehyde | 53 | | 54 | | 30-150 | 2 | | 30 | A |
| Endrin ketone | 62 | | 63 | | 30-150 | 2 | | 30 | A |
| Dieldrin | 67 | | 70 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDE | 57 | | 60 | | 30-150 | 5 | | 30 | A |
| 4,4'-DDD | 67 | | 70 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDT | 63 | | 64 | | 30-150 | 2 | | 30 | A |
| Endosulfan I | 63 | | 66 | | 30-150 | 5 | | 30 | A |
| Endosulfan II | 65 | | 66 | | 30-150 | 2 | | 30 | A |
| Endosulfan sulfate | 56 | | 56 | | 30-150 | 0 | | 30 | A |
| Methoxychlor | 64 | | 65 | | 30-150 | 2 | | 30 | A |
| cis-Chlordane | 50 | | 53 | | 30-150 | 6 | | 30 | A |
| trans-Chlordane | 67 | | 70 | | 30-150 | 4 | | 30 | A |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 31-34 Batch: WG1405661-2 WG1405661-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 78 | | 30-150 | A |
| Decachlorobiphenyl | 65 | | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 71 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 66 | | 30-150 | B |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 31-32 Batch: WG1405963-2 WG1405963-3 | | | | | | | | | |
| 2,4-D | 86 | | 118 | | 30-150 | 31 | Q | 30 | A |
| 2,4,5-T | 80 | | 75 | | 30-150 | 6 | | 30 | A |
| 2,4,5-TP (Silvex) | 76 | | 79 | | 30-150 | 4 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 75 | | 59 | | 30-150 | A |
| DCAA | 70 | | 64 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 36-38 Batch: WG1406204-2 WG1406204-3 | | | | | | | | | |
| Delta-BHC | 74 | | 55 | | 30-150 | 29 | | 30 | A |
| Lindane | 78 | | 59 | | 30-150 | 28 | | 30 | A |
| Alpha-BHC | 69 | | 56 | | 30-150 | 21 | | 30 | A |
| Beta-BHC | 81 | | 67 | | 30-150 | 19 | | 30 | A |
| Heptachlor | 75 | | 64 | | 30-150 | 16 | | 30 | A |
| Aldrin | 68 | | 56 | | 30-150 | 19 | | 30 | A |
| Heptachlor epoxide | 77 | | 60 | | 30-150 | 25 | | 30 | A |
| Endrin | 80 | | 62 | | 30-150 | 25 | | 30 | A |
| Endrin aldehyde | 66 | | 39 | | 30-150 | 51 | Q | 30 | A |
| Endrin ketone | 78 | | 45 | | 30-150 | 54 | Q | 30 | A |
| Dieldrin | 80 | | 62 | | 30-150 | 25 | | 30 | A |
| 4,4'-DDE | 72 | | 56 | | 30-150 | 25 | | 30 | A |
| 4,4'-DDD | 84 | | 65 | | 30-150 | 26 | | 30 | A |
| 4,4'-DDT | 83 | | 64 | | 30-150 | 26 | | 30 | A |
| Endosulfan I | 75 | | 58 | | 30-150 | 26 | | 30 | A |
| Endosulfan II | 80 | | 57 | | 30-150 | 34 | Q | 30 | A |
| Endosulfan sulfate | 70 | | 37 | | 30-150 | 62 | Q | 30 | A |
| Methoxychlor | 90 | | 66 | | 30-150 | 31 | Q | 30 | A |
| cis-Chlordane | 66 | | 50 | | 30-150 | 28 | | 30 | A |
| trans-Chlordane | 77 | | 61 | | 30-150 | 23 | | 30 | A |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 36-38 Batch: WG1406204-2 WG1406204-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 53 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 47 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 59 | | 30-150 | B |
| Decachlorobiphenyl | 97 | | 77 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 34 Batch: WG1406303-2 WG1406303-3 | | | | | | | | | |
| 2,4-D | 65 | | 65 | | 30-150 | 0 | | 30 | A |
| 2,4,5-T | 72 | | 71 | | 30-150 | 1 | | 30 | A |
| 2,4,5-TP (Silvex) | 77 | | 77 | | 30-150 | 0 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 63 | | 58 | | 30-150 | A |
| DCAA | 70 | | 72 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 23 Batch: WG1406377-2 WG1406377-3 | | | | | | | | | |
| 2,4-D | 64 | | 63 | | 30-150 | 2 | | 25 | A |
| 2,4,5-T | 73 | | 72 | | 30-150 | 1 | | 25 | A |
| 2,4,5-TP (Silvex) | 80 | | 80 | | 30-150 | 0 | | 25 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 61 | | 58 | | 30-150 | A |
| DCAA | 82 | | 79 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19,22,25 Batch: WG1406913-2 WG1406913-3 | | | | | | | | | |
| Delta-BHC | 76 | | 77 | | 30-150 | 1 | | 30 | A |
| Lindane | 73 | | 73 | | 30-150 | 0 | | 30 | A |
| Alpha-BHC | 80 | | 80 | | 30-150 | 0 | | 30 | A |
| Beta-BHC | 82 | | 83 | | 30-150 | 1 | | 30 | A |
| Heptachlor | 77 | | 73 | | 30-150 | 5 | | 30 | A |
| Aldrin | 67 | | 66 | | 30-150 | 2 | | 30 | A |
| Heptachlor epoxide | 70 | | 68 | | 30-150 | 3 | | 30 | A |
| Endrin | 76 | | 73 | | 30-150 | 4 | | 30 | A |
| Endrin aldehyde | 50 | | 52 | | 30-150 | 4 | | 30 | A |
| Endrin ketone | 58 | | 62 | | 30-150 | 7 | | 30 | A |
| Dieldrin | 74 | | 73 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDE | 68 | | 66 | | 30-150 | 3 | | 30 | A |
| 4,4'-DDD | 77 | | 78 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDT | 74 | | 72 | | 30-150 | 3 | | 30 | A |
| Endosulfan I | 78 | | 76 | | 30-150 | 3 | | 30 | A |
| Endosulfan II | 68 | | 71 | | 30-150 | 4 | | 30 | A |
| Endosulfan sulfate | 55 | | 58 | | 30-150 | 5 | | 30 | A |
| Methoxychlor | 81 | | 84 | | 30-150 | 4 | | 30 | A |
| cis-Chlordane | 66 | | 64 | | 30-150 | 3 | | 30 | A |
| trans-Chlordane | 70 | | 68 | | 30-150 | 3 | | 30 | A |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|---|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19,22,25 Batch: WG1406913-2 WG1406913-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 80 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 71 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 70 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 36-38 Batch: WG1407179-2 WG1407179-3 | | | | | | | | | |
| 2,4-D | 122 | | 123 | | 30-150 | 1 | | 30 | A |
| 2,4,5-T | 116 | | 111 | | 30-150 | 4 | | 30 | A |
| 2,4,5-TP (Silvex) | 117 | | 111 | | 30-150 | 5 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 108 | | 104 | | 30-150 | A |
| DCAA | 98 | | 96 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 33 Batch: WG1407568-2 WG1407568-3 | | | | | | | | | |
| 2,4-D | 94 | | 81 | | 30-150 | 15 | | 30 | A |
| 2,4,5-T | 98 | | 86 | | 30-150 | 13 | | 30 | A |
| 2,4,5-TP (Silvex) | 90 | | 80 | | 30-150 | 12 | | 30 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 89 | | 78 | | 30-150 | A |
| DCAA | 82 | | 72 | | 30-150 | B |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18,21,24 QC Batch ID: WG1405319-4 WG1405319-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | | |
| Delta-BHC | ND | 39.6 | 20.4 | 52 | | 20.9 | 50 | | 30-150 | 2 | | 50 | A |
| Lindane | ND | 39.6 | 21.4 | 54 | | 21.7 | 52 | | 30-150 | 1 | | 50 | A |
| Alpha-BHC | ND | 39.6 | 25.4 | 64 | | 25.2 | 61 | | 30-150 | 1 | | 50 | A |
| Beta-BHC | ND | 39.6 | 25.3 | 64 | | 23.2 | 56 | | 30-150 | 9 | | 50 | A |
| Heptachlor | ND | 39.6 | 21.7 | 55 | | 21.5 | 52 | | 30-150 | 1 | | 50 | A |
| Aldrin | ND | 39.6 | 20.3 | 51 | | 20.6 | 50 | | 30-150 | 1 | | 50 | A |
| Heptachlor epoxide | ND | 39.6 | 18.8 | 47 | | 20.0 | 48 | | 30-150 | 6 | | 50 | A |
| Endrin | ND | 39.6 | 19.6 | 50 | | 18.8 | 45 | | 30-150 | 4 | | 50 | A |
| Endrin aldehyde | ND | 39.6 | 16.4 | 41 | | 14.9 | 36 | | 30-150 | 10 | | 50 | A |
| Endrin ketone | ND | 39.6 | 17.7 | 45 | | 16.3 | 39 | | 30-150 | 8 | | 50 | A |
| Dieldrin | ND | 39.6 | 19.7 | 50 | | 19.7 | 48 | | 30-150 | 0 | | 50 | A |
| 4,4'-DDE | 0.585J | 39.6 | 18.1 | 46 | | 18.4 | 44 | | 30-150 | 2 | | 50 | A |
| 4,4'-DDD | ND | 39.6 | 17.6 | 44 | | 17.2 | 42 | | 30-150 | 2 | | 50 | A |
| 4,4'-DDT | 2.00J | 39.6 | 19.9 | 50 | | 19.4 | 47 | | 30-150 | 3 | | 50 | A |
| Endosulfan I | ND | 39.6 | 20.3 | 51 | | 20.6 | 50 | | 30-150 | 1 | | 50 | A |
| Endosulfan II | ND | 39.6 | 16.2 | 41 | | 16.0 | 39 | | 30-150 | 1 | | 50 | A |
| Endosulfan sulfate | ND | 39.6 | 13.8 | 35 | | 12.5 | 30 | | 30-150 | 10 | | 50 | A |
| Methoxychlor | ND | 39.6 | 25.6 | 65 | | 23.9 | 58 | | 30-150 | 7 | | 50 | A |
| cis-Chlordane | ND | 39.6 | 19.5 | 49 | | 19.8 | 48 | | 30-150 | 2 | | 50 | A |
| trans-Chlordane | 1.29JIP | 39.6 | 19.2 | 48 | | 19.6 | 47 | | 30-150 | 2 | | 50 | A |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18,21,24 QC Batch ID: WG1405319-4 WG1405319-5 QC Sample: L2035280-18
 Client ID: 047_LSB-41_4.0-6.0

| <i>Surrogate</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> | <i>Column</i> |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | | |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 69 | | 30-150 | A |
| Decachlorobiphenyl | 41 | | 43 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 49 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 73 | | 30-150 | B |



Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 01-02,12,18-19,21-22,24-25 QC Batch ID: WG1405458-4 WG1405458-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | | |
| 2,4-D | ND | 204 | 168J | 82 | | 180J | 87 | | 30-150 | 7 | | 30 | A |
| 2,4,5-T | ND | 204 | 182J | 89 | | 197J | 96 | | 30-150 | 8 | | 30 | A |
| 2,4,5-TP (Silvex) | ND | 204 | 198J | 97 | | 216 | 105 | | 30-150 | 9 | | 30 | A |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria | Column |
|-----------|---------------|--------------|----------------|---------------|---------------------|--------|
| DCAA | 82 | | 90 | | 30-150 | A |
| DCAA | 97 | | 104 | | 30-150 | B |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab ID: 062_LSB-38_2.0-4.0 Associated sample(s): 31-34 QC Batch ID: WG1405661-6 WG1405661-7 QC Sample: L2035280-33 Client | | | | | | | | | | | | | |
| Delta-BHC | ND | 36.7 | 26.8 | 73 | | 27.2 | 73 | | 30-150 | 1 | | 50 | A |
| Lindane | ND | 36.7 | 27.2 | 74 | | 27.8 | 75 | | 30-150 | 2 | | 50 | A |
| Alpha-BHC | ND | 36.7 | 30.0 | 82 | | 30.7 | 83 | | 30-150 | 2 | | 50 | A |
| Beta-BHC | ND | 36.7 | 23.8 | 65 | | 24.6 | 66 | | 30-150 | 3 | | 50 | A |
| Heptachlor | ND | 36.7 | 26.0 | 71 | | 26.7 | 72 | | 30-150 | 3 | | 50 | A |
| Aldrin | ND | 36.7 | 23.8 | 65 | | 24.5 | 66 | | 30-150 | 3 | | 50 | A |
| Heptachlor epoxide | ND | 36.7 | 24.5 | 67 | | 25.1 | 68 | | 30-150 | 2 | | 50 | A |
| Endrin | ND | 36.7 | 25.2 | 69 | | 25.8 | 70 | | 30-150 | 2 | | 50 | A |
| Endrin aldehyde | ND | 36.7 | 20.4 | 56 | | 20.7 | 56 | | 30-150 | 1 | | 50 | A |
| Endrin ketone | ND | 36.7 | 24.8 | 68 | | 26.5 | 72 | | 30-150 | 7 | | 50 | A |
| Dieldrin | ND | 36.7 | 26.5 | 72 | | 27.0 | 73 | | 30-150 | 2 | | 50 | A |
| 4,4'-DDE | ND | 36.7 | 22.2 | 61 | | 22.5 | 61 | | 30-150 | 1 | | 50 | A |
| 4,4'-DDD | ND | 36.7 | 26.4 | 72 | | 26.9 | 73 | | 30-150 | 2 | | 50 | A |
| 4,4'-DDT | ND | 36.7 | 25.4 | 69 | | 24.8 | 67 | | 30-150 | 2 | | 50 | A |
| Endosulfan I | ND | 36.7 | 24.3 | 66 | | 24.8 | 67 | | 30-150 | 2 | | 50 | A |
| Endosulfan II | ND | 36.7 | 24.5 | 67 | | 24.8 | 67 | | 30-150 | 1 | | 50 | A |
| Endosulfan sulfate | ND | 36.7 | 18.5 | 50 | | 18.8 | 51 | | 30-150 | 2 | | 50 | A |
| Methoxychlor | ND | 36.7 | 24.7 | 67 | | 26.1 | 71 | | 30-150 | 6 | | 50 | A |
| cis-Chlordane | ND | 36.7 | 19.2 | 52 | | 19.7 | 53 | | 30-150 | 3 | | 50 | A |
| trans-Chlordane | ND | 36.7 | 25.2 | 69 | | 25.5 | 69 | | 30-150 | 1 | | 50 | A |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 31-34 QC Batch ID: WG1405661-6 WG1405661-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 75 | | 30-150 | A |
| Decachlorobiphenyl | 55 | | 65 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 69 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 66 | | 30-150 | B |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| 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): 33 QC Batch ID: WG1407568-4 WG1407568-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | | |
| 2,4-D | ND | 185 | 174J | 94 | | 161J | 86 | | 30-150 | 8 | | 30 | A |
| 2,4,5-T | ND | 185 | 179J | 97 | | 161J | 86 | | 30-150 | 11 | | 30 | A |
| 2,4,5-TP (Silvex) | ND | 185 | 166J | 90 | | 152J | 81 | | 30-150 | 9 | | 30 | A |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| DCAA | 90 | | 85 | | 30-150 | A |
| DCAA | 82 | | 75 | | 30-150 | B |

METALS

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-01

Date Collected: 08/27/20 11:00

Client ID: 030_LSB-44_3.0-5.0

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 5880 | | mg/kg | 8.59 | 2.32 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 0.378 | J | mg/kg | 4.30 | 0.326 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 4.91 | | mg/kg | 0.859 | 0.179 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 161 | | mg/kg | 0.859 | 0.150 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.344 | J | mg/kg | 0.430 | 0.028 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.344 | J | mg/kg | 0.859 | 0.084 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 7120 | | mg/kg | 8.59 | 3.01 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 13.2 | | mg/kg | 0.859 | 0.083 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 7.66 | | mg/kg | 1.72 | 0.143 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 62.8 | | mg/kg | 0.859 | 0.222 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 15300 | | mg/kg | 4.30 | 0.776 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 265 | | mg/kg | 4.30 | 0.230 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 1790 | | mg/kg | 8.59 | 1.32 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 199 | | mg/kg | 0.859 | 0.137 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.789 | | mg/kg | 0.070 | 0.046 | 1 | 09/01/20 10:45 | 09/01/20 18:09 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 15.3 | | mg/kg | 2.15 | 0.208 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1290 | | mg/kg | 215 | 12.4 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 1.07 | J | mg/kg | 1.72 | 0.222 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.859 | 0.243 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 228 | | mg/kg | 172 | 2.71 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.72 | 0.271 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 24.4 | | mg/kg | 0.859 | 0.174 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 157 | | mg/kg | 4.30 | 0.252 | 2 | 09/01/20 08:55 | 09/01/20 19:49 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 13 | | mg/kg | 0.89 | 0.89 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-02

Date Collected: 08/27/20 11:05

Client ID: 031_LSB-44_12.0-14.0

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 8200 | | mg/kg | 9.71 | 2.62 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.86 | 0.369 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 6.59 | | mg/kg | 0.971 | 0.202 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 64.3 | | mg/kg | 0.971 | 0.169 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.340 | J | mg/kg | 0.486 | 0.032 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.194 | J | mg/kg | 0.971 | 0.095 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 6180 | | mg/kg | 9.71 | 3.40 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 14.1 | | mg/kg | 0.971 | 0.093 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 5.18 | | mg/kg | 1.94 | 0.161 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 23.3 | | mg/kg | 0.971 | 0.251 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 15400 | | mg/kg | 4.86 | 0.877 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 143 | | mg/kg | 4.86 | 0.260 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2980 | | mg/kg | 9.71 | 1.50 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 226 | | mg/kg | 0.971 | 0.154 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.488 | | mg/kg | 0.078 | 0.051 | 1 | 09/01/20 10:45 | 09/01/20 18:11 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 12.7 | | mg/kg | 2.43 | 0.235 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 973 | | mg/kg | 243 | 14.0 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.660 | J | mg/kg | 1.94 | 0.251 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.971 | 0.275 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 265 | | mg/kg | 194 | 3.06 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.94 | 0.306 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 18.1 | | mg/kg | 0.971 | 0.197 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 84.8 | | mg/kg | 4.86 | 0.285 | 2 | 09/01/20 08:55 | 09/01/20 19:54 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 14 | | mg/kg | 0.99 | 0.99 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03

Date Collected: 08/27/20 11:10

Client ID: 032_DUP-1

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 6800 | | mg/kg | 10.5 | 2.85 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 0.960 | J | mg/kg | 5.27 | 0.401 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 5.97 | | mg/kg | 1.05 | 0.219 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 89.1 | | mg/kg | 1.05 | 0.184 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.264 | J | mg/kg | 0.527 | 0.035 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.221 | J | mg/kg | 1.05 | 0.103 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 11300 | | mg/kg | 10.5 | 3.69 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 16.6 | | mg/kg | 1.05 | 0.101 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 7.37 | | mg/kg | 2.11 | 0.175 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 133 | | mg/kg | 1.05 | 0.272 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 16000 | | mg/kg | 5.27 | 0.952 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 284 | | mg/kg | 5.27 | 0.283 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2740 | | mg/kg | 10.5 | 1.62 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 275 | | mg/kg | 1.05 | 0.168 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.182 | | mg/kg | 0.086 | 0.056 | 1 | 09/01/20 10:45 | 09/01/20 18:12 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 12.8 | | mg/kg | 2.64 | 0.255 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 851 | | mg/kg | 264 | 15.2 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.432 | J | mg/kg | 2.11 | 0.272 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 0.464 | J | mg/kg | 1.05 | 0.298 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 175 | J | mg/kg | 211 | 3.32 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 2.11 | 0.332 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 15.9 | | mg/kg | 1.05 | 0.214 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 515 | | mg/kg | 5.27 | 0.309 | 2 | 09/01/20 08:55 | 09/01/20 19:58 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 17 | | mg/kg | 1.1 | 1.1 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05

Date Collected: 08/27/20 12:00

Client ID: 034_FB_08272020

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 0.0176 | | mg/l | 0.0100 | 0.00327 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00017 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0394 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0191 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/01/20 00:00 | 09/01/20 11:40 | EPA 7470A | 1,7470A | EW |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0309 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | ND | | mg/l | 0.100 | 0.0293 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 08/31/20 23:00 | 09/01/20 08:55 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/01/20 08:55 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-08

Date Collected: 08/28/20 08:20

Client ID: 037_LSB-43_2.5-4.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 5910 | | mg/kg | 8.50 | 2.30 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.25 | 0.323 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 3.00 | | mg/kg | 0.850 | 0.177 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 82.9 | | mg/kg | 0.850 | 0.148 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.204 | J | mg/kg | 0.425 | 0.028 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.264 | J | mg/kg | 0.850 | 0.083 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 16500 | | mg/kg | 8.50 | 2.98 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 13.3 | | mg/kg | 0.850 | 0.082 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 5.01 | | mg/kg | 1.70 | 0.141 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 42.0 | | mg/kg | 0.850 | 0.219 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 10900 | | mg/kg | 4.25 | 0.768 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 830 | | mg/kg | 4.25 | 0.228 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2120 | | mg/kg | 8.50 | 1.31 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 93.4 | | mg/kg | 0.850 | 0.135 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.330 | | mg/kg | 0.069 | 0.045 | 1 | 09/01/20 10:45 | 09/01/20 18:14 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 10.9 | | mg/kg | 2.12 | 0.206 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1810 | | mg/kg | 212 | 12.2 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.672 | J | mg/kg | 1.70 | 0.219 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.850 | 0.240 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 210 | | mg/kg | 170 | 2.68 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.70 | 0.268 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 31.1 | | mg/kg | 0.850 | 0.172 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 137 | | mg/kg | 4.25 | 0.249 | 2 | 09/01/20 08:55 | 09/01/20 20:03 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 13 | | mg/kg | 0.87 | 0.87 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-09

Date Collected: 08/28/20 08:25

Client ID: 038_LSB-43_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 5090 | | mg/kg | 10.5 | 2.85 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 1.40 | J | mg/kg | 5.27 | 0.401 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 1.18 | | mg/kg | 1.05 | 0.219 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 69.7 | | mg/kg | 1.05 | 0.184 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.264 | J | mg/kg | 0.527 | 0.035 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.126 | J | mg/kg | 1.05 | 0.103 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 3220 | | mg/kg | 10.5 | 3.69 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 15.7 | | mg/kg | 1.05 | 0.101 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 5.93 | | mg/kg | 2.11 | 0.175 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 44.8 | | mg/kg | 1.05 | 0.272 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 12600 | | mg/kg | 5.27 | 0.952 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 54.0 | | mg/kg | 5.27 | 0.283 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2370 | | mg/kg | 10.5 | 1.62 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 310 | | mg/kg | 1.05 | 0.168 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.220 | | mg/kg | 0.085 | 0.055 | 1 | 09/01/20 10:45 | 09/01/20 18:22 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 35.4 | | mg/kg | 2.64 | 0.255 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1270 | | mg/kg | 264 | 15.2 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 2.11 | 0.272 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 1.05 | 0.298 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 103 | J | mg/kg | 211 | 3.32 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 2.11 | 0.332 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 18.6 | | mg/kg | 1.05 | 0.214 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 95.4 | | mg/kg | 5.27 | 0.309 | 2 | 09/01/20 08:55 | 09/01/20 20:07 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 16 | | mg/kg | 1.1 | 1.1 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11

Date Collected: 08/28/20 11:15

Client ID: 040_LSB-42_1.5-3.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 6900 | | mg/kg | 9.49 | 2.56 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 2.68 | J | mg/kg | 4.74 | 0.360 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 8.65 | | mg/kg | 0.949 | 0.197 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 128 | | mg/kg | 0.949 | 0.165 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.436 | J | mg/kg | 0.474 | 0.031 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 4.34 | | mg/kg | 0.949 | 0.093 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 30100 | | mg/kg | 9.49 | 3.32 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 124 | | mg/kg | 0.949 | 0.091 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 9.85 | | mg/kg | 1.90 | 0.157 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 155 | | mg/kg | 0.949 | 0.245 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 44200 | | mg/kg | 47.4 | 8.57 | 20 | 09/01/20 08:55 | 09/01/20 23:26 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 652 | | mg/kg | 4.74 | 0.254 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 3100 | | mg/kg | 9.49 | 1.46 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 297 | | mg/kg | 0.949 | 0.151 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.129 | | mg/kg | 0.077 | 0.050 | 1 | 09/01/20 10:45 | 09/01/20 18:24 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 252 | | mg/kg | 2.37 | 0.230 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1640 | | mg/kg | 237 | 13.7 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 1.45 | J | mg/kg | 1.90 | 0.245 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 0.531 | J | mg/kg | 0.949 | 0.268 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 1540 | | mg/kg | 190 | 2.99 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.90 | 0.299 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 1700 | | mg/kg | 0.949 | 0.192 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 1000 | | mg/kg | 4.74 | 0.278 | 2 | 09/01/20 08:55 | 09/01/20 20:12 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 120 | | mg/kg | 0.98 | 0.98 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 4660 | | mg/kg | 9.00 | 2.43 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 0.504 | J | mg/kg | 4.50 | 0.342 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 2.20 | | mg/kg | 0.900 | 0.187 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 44.2 | | mg/kg | 0.900 | 0.157 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.171 | J | mg/kg | 0.450 | 0.030 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.207 | J | mg/kg | 0.900 | 0.088 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 5340 | | mg/kg | 9.00 | 3.15 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 8.93 | | mg/kg | 0.900 | 0.086 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 5.63 | | mg/kg | 1.80 | 0.149 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 39.3 | | mg/kg | 0.900 | 0.232 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 17900 | | mg/kg | 4.50 | 0.813 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 63.1 | | mg/kg | 4.50 | 0.241 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2170 | | mg/kg | 9.00 | 1.39 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 315 | | mg/kg | 0.900 | 0.143 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.466 | | mg/kg | 0.075 | 0.049 | 1 | 09/01/20 10:45 | 09/01/20 18:25 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 14.8 | | mg/kg | 2.25 | 0.218 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 591 | | mg/kg | 225 | 13.0 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 1.80 | 0.232 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.900 | 0.255 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 137 | J | mg/kg | 180 | 2.84 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.80 | 0.284 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 19.8 | | mg/kg | 0.900 | 0.183 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 100 | | mg/kg | 4.50 | 0.264 | 2 | 09/01/20 08:55 | 09/01/20 20:17 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 8.9 | | mg/kg | 0.95 | 0.95 | 1 | | 09/03/20 15:48 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18

Date Collected: 08/31/20 08:00

Client ID: 047_LSB-41_4.0-6.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 7020 | | mg/kg | 9.47 | 2.56 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.73 | 0.360 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 4.47 | | mg/kg | 0.947 | 0.197 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 145 | | mg/kg | 0.947 | 0.165 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.416 | J | mg/kg | 0.473 | 0.031 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.984 | | mg/kg | 0.947 | 0.093 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 26500 | | mg/kg | 9.47 | 3.31 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 120 | | mg/kg | 0.947 | 0.091 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 6.01 | | mg/kg | 1.89 | 0.157 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 197 | | mg/kg | 0.947 | 0.244 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 14500 | | mg/kg | 4.73 | 0.855 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 222 | | mg/kg | 4.73 | 0.254 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 4100 | | mg/kg | 9.47 | 1.46 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 326 | | mg/kg | 0.947 | 0.150 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.181 | | mg/kg | 0.080 | 0.052 | 1 | 09/01/20 22:15 | 09/02/20 08:44 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 31.0 | | mg/kg | 2.37 | 0.229 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1580 | | mg/kg | 237 | 13.6 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.700 | J | mg/kg | 1.89 | 0.244 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.947 | 0.268 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 431 | | mg/kg | 189 | 2.98 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.89 | 0.298 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 55.4 | | mg/kg | 0.947 | 0.192 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 326 | | mg/kg | 4.73 | 0.277 | 2 | 09/01/20 21:50 | 09/03/20 17:53 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 120 | | mg/kg | 1.0 | 1.0 | 1 | | 09/03/20 17:53 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-19

Date Collected: 08/31/20 08:10

Client ID: 048_LSB-41_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 66%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 4790 | | mg/kg | 12.1 | 3.27 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 6.06 | 0.461 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 15.5 | | mg/kg | 1.21 | 0.252 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 106 | | mg/kg | 1.21 | 0.211 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.376 | J | mg/kg | 0.606 | 0.040 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 21.0 | | mg/kg | 1.21 | 0.119 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 12800 | | mg/kg | 12.1 | 4.24 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 12.5 | | mg/kg | 1.21 | 0.116 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 12.1 | | mg/kg | 2.42 | 0.201 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 33.4 | | mg/kg | 1.21 | 0.313 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 59100 | | mg/kg | 6.06 | 1.10 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 370 | | mg/kg | 6.06 | 0.325 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2370 | | mg/kg | 12.1 | 1.87 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 928 | | mg/kg | 1.21 | 0.193 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.206 | | mg/kg | 0.096 | 0.062 | 1 | 09/01/20 22:15 | 09/02/20 09:04 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 17.6 | | mg/kg | 3.03 | 0.294 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 804 | | mg/kg | 303 | 17.5 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 2.20 | J | mg/kg | 2.42 | 0.313 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 1.21 | 0.343 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 331 | | mg/kg | 242 | 3.82 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 2.42 | 0.382 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 25.6 | | mg/kg | 1.21 | 0.246 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 5310 | | mg/kg | 6.06 | 0.355 | 2 | 09/01/20 21:50 | 09/03/20 17:17 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 12 | | mg/kg | 1.2 | 1.2 | 1 | | 09/03/20 17:17 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21

Date Collected: 08/31/20 11:15

Client ID: 050_LSB-37_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 4190 | | mg/kg | 9.10 | 2.46 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.55 | 0.346 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 1.68 | | mg/kg | 0.910 | 0.189 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 71.5 | | mg/kg | 0.910 | 0.158 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.246 | J | mg/kg | 0.455 | 0.030 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.182 | J | mg/kg | 0.910 | 0.089 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 11200 | | mg/kg | 9.10 | 3.19 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 12.8 | | mg/kg | 0.910 | 0.087 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 5.50 | | mg/kg | 1.82 | 0.151 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 17.0 | | mg/kg | 0.910 | 0.235 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 10400 | | mg/kg | 4.55 | 0.822 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 47.9 | | mg/kg | 4.55 | 0.244 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 5200 | | mg/kg | 9.10 | 1.40 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 315 | | mg/kg | 0.910 | 0.145 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.154 | | mg/kg | 0.080 | 0.052 | 1 | 09/01/20 22:15 | 09/02/20 09:07 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 12.1 | | mg/kg | 2.28 | 0.220 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 913 | | mg/kg | 228 | 13.1 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.473 | J | mg/kg | 1.82 | 0.235 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.910 | 0.258 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 173 | J | mg/kg | 182 | 2.87 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.82 | 0.287 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 15.0 | | mg/kg | 0.910 | 0.185 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 65.4 | | mg/kg | 4.55 | 0.267 | 2 | 09/01/20 21:50 | 09/03/20 17:22 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 13 | | mg/kg | 0.93 | 0.93 | 1 | | 09/03/20 17:22 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22

Date Collected: 08/31/20 11:20

Client ID: 051_LSB-37_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 6130 | | mg/kg | 9.11 | 2.46 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.56 | 0.346 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 5.00 | | mg/kg | 0.911 | 0.190 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 114 | | mg/kg | 0.911 | 0.158 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.219 | J | mg/kg | 0.456 | 0.030 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.210 | J | mg/kg | 0.911 | 0.089 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 5110 | | mg/kg | 9.11 | 3.19 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 11.0 | | mg/kg | 0.911 | 0.088 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 6.46 | | mg/kg | 1.82 | 0.151 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 17.7 | | mg/kg | 0.911 | 0.235 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 14100 | | mg/kg | 4.56 | 0.823 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 114 | | mg/kg | 4.56 | 0.244 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 2330 | | mg/kg | 9.11 | 1.40 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 206 | | mg/kg | 0.911 | 0.145 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.450 | | mg/kg | 0.079 | 0.051 | 1 | 09/01/20 22:15 | 09/02/20 09:10 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 12.9 | | mg/kg | 2.28 | 0.220 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1110 | | mg/kg | 228 | 13.1 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 1.82 | 0.235 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.911 | 0.258 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 86.1 | J | mg/kg | 182 | 2.87 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.82 | 0.287 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 16.7 | | mg/kg | 0.911 | 0.185 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 53.5 | | mg/kg | 4.56 | 0.267 | 2 | 09/01/20 21:50 | 09/03/20 17:26 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 11 | | mg/kg | 0.95 | 0.95 | 1 | | 09/03/20 17:26 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23

Date Collected: 08/31/20 11:00

Client ID: 052_FB_08312020

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | ND | | mg/l | 0.100 | 0.032 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Antimony, Total | ND | | mg/l | 0.050 | 0.007 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Arsenic, Total | ND | | mg/l | 0.005 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Barium, Total | ND | | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Beryllium, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Cadmium, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Calcium, Total | ND | | mg/l | 0.100 | 0.035 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Chromium, Total | ND | | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Cobalt, Total | ND | | mg/l | 0.020 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Copper, Total | ND | | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Iron, Total | ND | | mg/l | 0.050 | 0.009 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Lead, Total | ND | | mg/l | 0.010 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Magnesium, Total | ND | | mg/l | 0.100 | 0.015 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Manganese, Total | ND | | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/01/20 21:01 | 09/02/20 09:32 | EPA 7470A | 1,7470A | EW |
| Nickel, Total | ND | | mg/l | 0.025 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Potassium, Total | ND | | mg/l | 2.50 | 0.237 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Selenium, Total | ND | | mg/l | 0.010 | 0.004 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Silver, Total | ND | | mg/l | 0.007 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Sodium, Total | ND | | mg/l | 2.00 | 0.120 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Thallium, Total | ND | | mg/l | 0.020 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Vanadium, Total | ND | | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| Zinc, Total | ND | | mg/l | 0.050 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 11:09 | EPA 3005A | 1,6010D | GD |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/03/20 11:09 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-24

Date Collected: 08/31/20 11:45

Client ID: 053_LSB-40_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 4730 | | mg/kg | 9.87 | 2.66 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 5.65 | | mg/kg | 4.94 | 0.375 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 51.0 | | mg/kg | 0.987 | 0.205 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 184 | | mg/kg | 0.987 | 0.172 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.494 | | mg/kg | 0.494 | 0.033 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.997 | | mg/kg | 0.987 | 0.097 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 5300 | | mg/kg | 9.87 | 3.45 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 13.2 | | mg/kg | 0.987 | 0.095 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 7.35 | | mg/kg | 1.97 | 0.164 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 323 | | mg/kg | 0.987 | 0.255 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 27200 | | mg/kg | 4.94 | 0.891 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 1230 | | mg/kg | 4.94 | 0.264 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 1480 | | mg/kg | 9.87 | 1.52 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 268 | | mg/kg | 0.987 | 0.157 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 2.44 | | mg/kg | 0.083 | 0.054 | 1 | 09/01/20 22:15 | 09/02/20 09:14 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 21.1 | | mg/kg | 2.47 | 0.239 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 819 | | mg/kg | 247 | 14.2 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 25.2 | | mg/kg | 1.97 | 0.255 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 1.39 | | mg/kg | 0.987 | 0.279 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 476 | | mg/kg | 197 | 3.11 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.97 | 0.311 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 24.2 | | mg/kg | 0.987 | 0.200 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 969 | | mg/kg | 4.94 | 0.289 | 2 | 09/01/20 21:50 | 09/03/20 18:20 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 13 | | mg/kg | 1.0 | 1.0 | 1 | | 09/03/20 18:20 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-25

Date Collected: 08/31/20 11:50

Client ID: 054_LSB-40_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 7780 | | mg/kg | 9.68 | 2.61 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 4.84 | 0.368 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 4.23 | | mg/kg | 0.968 | 0.201 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 132 | | mg/kg | 0.968 | 0.168 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.164 | J | mg/kg | 0.484 | 0.032 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 0.261 | J | mg/kg | 0.968 | 0.095 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 12800 | | mg/kg | 9.68 | 3.39 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 17.0 | | mg/kg | 0.968 | 0.093 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 9.50 | | mg/kg | 1.94 | 0.161 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 31.8 | | mg/kg | 0.968 | 0.250 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 15400 | | mg/kg | 4.84 | 0.874 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 234 | | mg/kg | 4.84 | 0.259 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 3360 | | mg/kg | 9.68 | 1.49 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 237 | | mg/kg | 0.968 | 0.154 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.355 | | mg/kg | 0.081 | 0.053 | 1 | 09/01/20 22:15 | 09/02/20 09:17 | EPA 7471B | 1,7471B | EW |
| Nickel, Total | 16.8 | | mg/kg | 2.42 | 0.234 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 2970 | | mg/kg | 242 | 13.9 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | 0.610 | J | mg/kg | 1.94 | 0.250 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.968 | 0.274 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 176 | J | mg/kg | 194 | 3.05 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.94 | 0.305 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 26.0 | | mg/kg | 0.968 | 0.196 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 109 | | mg/kg | 4.84 | 0.284 | 2 | 09/01/20 21:50 | 09/03/20 18:25 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 17 | | mg/kg | 1.0 | 1.0 | 1 | | 09/03/20 18:25 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-31

Date Collected: 09/01/20 09:00

Client ID: 060_LSB-36_1.0-3.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, 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 | 3010 | | mg/kg | 8.29 | 2.24 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Antimony, Total | 4.46 | | mg/kg | 4.15 | 0.315 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Arsenic, Total | 23.7 | | mg/kg | 0.829 | 0.172 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Barium, Total | 586 | | mg/kg | 0.829 | 0.144 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Beryllium, Total | 0.050 | J | mg/kg | 0.415 | 0.027 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Cadmium, Total | 1.52 | | mg/kg | 0.829 | 0.081 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Calcium, Total | 27400 | | mg/kg | 8.29 | 2.90 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Chromium, Total | 27.9 | | mg/kg | 0.829 | 0.080 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Cobalt, Total | 7.09 | | mg/kg | 1.66 | 0.138 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Copper, Total | 77.4 | | mg/kg | 0.829 | 0.214 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Iron, Total | 39600 | | mg/kg | 4.15 | 0.749 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Lead, Total | 1360 | | mg/kg | 4.15 | 0.222 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Magnesium, Total | 1770 | | mg/kg | 8.29 | 1.28 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Manganese, Total | 266 | | mg/kg | 0.829 | 0.132 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Mercury, Total | 0.279 | | mg/kg | 0.069 | 0.045 | 1 | 09/03/20 07:40 | 09/03/20 17:32 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 21.9 | | mg/kg | 2.07 | 0.201 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Potassium, Total | 555 | | mg/kg | 207 | 11.9 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Selenium, Total | 1.62 | J | mg/kg | 1.66 | 0.214 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Silver, Total | 0.282 | J | mg/kg | 0.829 | 0.235 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Sodium, Total | 508 | | mg/kg | 166 | 2.61 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Thallium, Total | ND | | mg/kg | 1.66 | 0.261 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Vanadium, Total | 36.1 | | mg/kg | 0.829 | 0.168 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| Zinc, Total | 764 | | mg/kg | 4.15 | 0.243 | 2 | 09/03/20 09:30 | 09/04/20 15:31 | EPA 3050B | 1,6010D | GD |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 28 | | mg/kg | 0.88 | 0.88 | 1 | | 09/04/20 15:31 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32

Date Collected: 09/01/20 09:10

Client ID: 061_LSB-36_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 8220 | | mg/kg | 9.54 | 2.58 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Antimony, Total | ND | | mg/kg | 4.77 | 0.362 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Arsenic, Total | 2.07 | | mg/kg | 0.954 | 0.198 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Barium, Total | 96.9 | | mg/kg | 0.954 | 0.166 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Beryllium, Total | ND | | mg/kg | 0.477 | 0.032 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Cadmium, Total | 0.258 | J | mg/kg | 0.954 | 0.094 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Calcium, Total | 2140 | | mg/kg | 9.54 | 3.34 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Chromium, Total | 15.9 | | mg/kg | 0.954 | 0.092 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Cobalt, Total | 11.0 | | mg/kg | 1.91 | 0.158 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Copper, Total | 25.8 | | mg/kg | 0.954 | 0.246 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Iron, Total | 18600 | | mg/kg | 4.77 | 0.861 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Lead, Total | 76.1 | | mg/kg | 4.77 | 0.256 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Magnesium, Total | 4420 | | mg/kg | 9.54 | 1.47 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Manganese, Total | 182 | | mg/kg | 0.954 | 0.152 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Mercury, Total | 0.604 | | mg/kg | 0.077 | 0.050 | 1 | 09/03/20 07:40 | 09/03/20 17:36 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 19.9 | | mg/kg | 2.38 | 0.231 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Potassium, Total | 5220 | | mg/kg | 238 | 13.7 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Selenium, Total | ND | | mg/kg | 1.91 | 0.246 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Silver, Total | ND | | mg/kg | 0.954 | 0.270 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Sodium, Total | 207 | | mg/kg | 191 | 3.00 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Thallium, Total | ND | | mg/kg | 1.91 | 0.300 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Vanadium, Total | 22.8 | | mg/kg | 0.954 | 0.194 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| Zinc, Total | 58.7 | | mg/kg | 4.77 | 0.279 | 2 | 09/03/20 09:30 | 09/04/20 15:36 | EPA 3050B | 1,6010D | GD |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 16 | | mg/kg | 0.98 | 0.98 | 1 | | 09/04/20 15:36 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-33

Date Collected: 09/01/20 10:20

Client ID: 062_LSB-38_2.0-4.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 6560 | | mg/kg | 8.70 | 2.35 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Antimony, Total | ND | | mg/kg | 4.35 | 0.330 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Arsenic, Total | 4.06 | | mg/kg | 0.870 | 0.181 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Barium, Total | 85.3 | | mg/kg | 0.870 | 0.151 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Beryllium, Total | 0.200 | J | mg/kg | 0.435 | 0.029 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Cadmium, Total | 0.296 | J | mg/kg | 0.870 | 0.085 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Calcium, Total | 6880 | | mg/kg | 8.70 | 3.04 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Chromium, Total | 11.7 | | mg/kg | 0.870 | 0.084 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Cobalt, Total | 5.70 | | mg/kg | 1.74 | 0.144 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Copper, Total | 25.7 | | mg/kg | 0.870 | 0.224 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Iron, Total | 13000 | | mg/kg | 4.35 | 0.785 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Lead, Total | 263 | | mg/kg | 4.35 | 0.233 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Magnesium, Total | 2580 | | mg/kg | 8.70 | 1.34 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Manganese, Total | 193 | | mg/kg | 0.870 | 0.138 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Mercury, Total | 0.469 | | mg/kg | 0.071 | 0.046 | 1 | 09/03/20 07:40 | 09/03/20 17:13 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 11.9 | | mg/kg | 2.17 | 0.210 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Potassium, Total | 770 | | mg/kg | 217 | 12.5 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Selenium, Total | 0.626 | J | mg/kg | 1.74 | 0.224 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Silver, Total | ND | | mg/kg | 0.870 | 0.246 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Sodium, Total | 166 | J | mg/kg | 174 | 2.74 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Thallium, Total | ND | | mg/kg | 1.74 | 0.274 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Vanadium, Total | 16.8 | | mg/kg | 0.870 | 0.176 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| Zinc, Total | 99.1 | | mg/kg | 4.35 | 0.255 | 2 | 09/03/20 09:30 | 09/04/20 16:17 | EPA 3050B | 1,6010D | GD |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 12 | | mg/kg | 0.91 | 0.91 | 1 | | 09/04/20 16:17 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-34

Date Collected: 09/01/20 10:30

Client ID: 063_LSB-38_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 5090 | | mg/kg | 9.16 | 2.47 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Antimony, Total | ND | | mg/kg | 4.58 | 0.348 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Arsenic, Total | 6.38 | | mg/kg | 0.916 | 0.190 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Barium, Total | 99.9 | | mg/kg | 0.916 | 0.159 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Beryllium, Total | ND | | mg/kg | 0.458 | 0.030 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Cadmium, Total | 0.320 | J | mg/kg | 0.916 | 0.090 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Calcium, Total | 18500 | | mg/kg | 9.16 | 3.20 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Chromium, Total | 12.1 | | mg/kg | 0.916 | 0.088 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Cobalt, Total | 6.25 | | mg/kg | 1.83 | 0.152 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Copper, Total | 31.9 | | mg/kg | 0.916 | 0.236 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Iron, Total | 13500 | | mg/kg | 4.58 | 0.827 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Lead, Total | 310 | | mg/kg | 4.58 | 0.245 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Magnesium, Total | 3180 | | mg/kg | 9.16 | 1.41 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Manganese, Total | 236 | | mg/kg | 0.916 | 0.146 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Mercury, Total | 0.672 | | mg/kg | 0.077 | 0.050 | 1 | 09/03/20 07:40 | 09/03/20 17:39 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 15.5 | | mg/kg | 2.29 | 0.222 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Potassium, Total | 1330 | | mg/kg | 229 | 13.2 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Selenium, Total | 0.421 | J | mg/kg | 1.83 | 0.236 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Silver, Total | ND | | mg/kg | 0.916 | 0.259 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Sodium, Total | 148 | J | mg/kg | 183 | 2.88 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Thallium, Total | ND | | mg/kg | 1.83 | 0.288 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Vanadium, Total | 17.5 | | mg/kg | 0.916 | 0.186 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| Zinc, Total | 198 | | mg/kg | 4.58 | 0.268 | 2 | 09/03/20 09:30 | 09/04/20 15:40 | EPA 3050B | 1,6010D | GD |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 12 | | mg/kg | 0.97 | 0.97 | 1 | | 09/04/20 15:40 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36

Date Collected: 09/02/20 11:15

Client ID: 065_LSB-39_1.0-3.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 4650 | | mg/kg | 10.4 | 2.80 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 0.766 | J | mg/kg | 5.18 | 0.393 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 8.06 | | mg/kg | 1.04 | 0.215 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 222 | | mg/kg | 1.04 | 0.180 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.435 | J | mg/kg | 0.518 | 0.034 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | 1.01 | J | mg/kg | 1.04 | 0.101 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 12300 | | mg/kg | 10.4 | 3.62 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 25.0 | | mg/kg | 1.04 | 0.099 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 6.54 | | mg/kg | 2.07 | 0.172 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 64.4 | | mg/kg | 1.04 | 0.267 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 10500 | | mg/kg | 5.18 | 0.935 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 508 | | mg/kg | 5.18 | 0.277 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 1900 | | mg/kg | 10.4 | 1.59 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 248 | | mg/kg | 1.04 | 0.165 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.909 | | mg/kg | 0.083 | 0.054 | 1 | 09/05/20 09:20 | 09/05/20 16:59 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 23.4 | | mg/kg | 2.59 | 0.250 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 805 | | mg/kg | 259 | 14.9 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 2.07 | 0.267 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 0.569 | J | mg/kg | 1.04 | 0.293 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 482 | | mg/kg | 207 | 3.26 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 2.07 | 0.326 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 31.6 | | mg/kg | 1.04 | 0.210 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 721 | | mg/kg | 5.18 | 0.303 | 2 | 09/05/20 08:00 | 09/09/20 17:10 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 25 | | mg/kg | 1.0 | 1.1 | 1 | | 09/09/20 17:10 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-37

Date Collected: 09/02/20 11:20

Client ID: 066_LSB-39_12.0-14.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 68%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 7050 | | mg/kg | 11.3 | 3.06 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 5.67 | 0.431 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 11.2 | | mg/kg | 1.13 | 0.236 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 89.7 | | mg/kg | 1.13 | 0.197 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.431 | J | mg/kg | 0.567 | 0.037 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | ND | | mg/kg | 1.13 | 0.111 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 19900 | | mg/kg | 11.3 | 3.97 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 20.3 | | mg/kg | 1.13 | 0.109 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 7.78 | | mg/kg | 2.27 | 0.188 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 3220 | | mg/kg | 1.13 | 0.293 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 19000 | | mg/kg | 5.67 | 1.02 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 9450 | | mg/kg | 5.67 | 0.304 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 5030 | | mg/kg | 11.3 | 1.75 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 273 | | mg/kg | 1.13 | 0.180 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 1.92 | | mg/kg | 0.093 | 0.061 | 1 | 09/05/20 09:20 | 09/05/20 17:03 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 20.6 | | mg/kg | 2.84 | 0.275 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 1650 | | mg/kg | 284 | 16.3 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 2.27 | 0.293 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 10.2 | | mg/kg | 1.13 | 0.321 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 150 | J | mg/kg | 227 | 3.58 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 2.27 | 0.358 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 28.2 | | mg/kg | 1.13 | 0.230 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 163 | | mg/kg | 5.67 | 0.332 | 2 | 09/05/20 08:00 | 09/09/20 17:15 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 20 | | mg/kg | 1.2 | 1.2 | 1 | | 09/09/20 17:15 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-38

Date Collected: 09/02/20 11:25

Client ID: 067_DUP-2

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 3100 | | mg/kg | 9.29 | 2.51 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Antimony, Total | 0.902 | J | mg/kg | 4.65 | 0.353 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Arsenic, Total | 5.86 | | mg/kg | 0.929 | 0.193 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Barium, Total | 160 | | mg/kg | 0.929 | 0.162 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Beryllium, Total | 0.316 | J | mg/kg | 0.465 | 0.031 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Cadmium, Total | ND | | mg/kg | 0.929 | 0.091 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Calcium, Total | 7110 | | mg/kg | 9.29 | 3.25 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Chromium, Total | 12.8 | | mg/kg | 0.929 | 0.089 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Cobalt, Total | 4.87 | | mg/kg | 1.86 | 0.154 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Copper, Total | 47.2 | | mg/kg | 0.929 | 0.240 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Iron, Total | 8530 | | mg/kg | 4.65 | 0.839 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Lead, Total | 308 | | mg/kg | 4.65 | 0.249 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Magnesium, Total | 1320 | | mg/kg | 9.29 | 1.43 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Manganese, Total | 258 | | mg/kg | 0.929 | 0.148 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Mercury, Total | 0.384 | | mg/kg | 0.076 | 0.050 | 1 | 09/05/20 09:20 | 09/05/20 17:06 | EPA 7471B | 1,7471B | AL |
| Nickel, Total | 12.2 | | mg/kg | 2.32 | 0.225 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Potassium, Total | 554 | | mg/kg | 232 | 13.4 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 1.86 | 0.240 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Silver, Total | 0.409 | J | mg/kg | 0.929 | 0.263 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Sodium, Total | 356 | | mg/kg | 186 | 2.93 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 1.86 | 0.293 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Vanadium, Total | 17.2 | | mg/kg | 0.929 | 0.189 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| Zinc, Total | 179 | | mg/kg | 4.65 | 0.272 | 2 | 09/05/20 08:00 | 09/09/20 17:19 | EPA 3050B | 1,6010D | BV |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | 13 | | mg/kg | 0.97 | 0.97 | 1 | | 09/09/20 17:19 | NA | 107,- | |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

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): 05 Batch: WG1404848-1 | | | | | | | | | |
| Aluminum, Total | ND | mg/l | 0.0100 | 0.00327 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Antimony, Total | ND | mg/l | 0.00400 | 0.00042 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Arsenic, Total | ND | mg/l | 0.00050 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Barium, Total | ND | mg/l | 0.00050 | 0.00017 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Beryllium, Total | ND | mg/l | 0.00050 | 0.00010 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Cadmium, Total | ND | mg/l | 0.00020 | 0.00005 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Calcium, Total | ND | mg/l | 0.100 | 0.0394 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Chromium, Total | ND | mg/l | 0.00100 | 0.00017 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Cobalt, Total | ND | mg/l | 0.00050 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Copper, Total | ND | mg/l | 0.00100 | 0.00038 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Iron, Total | ND | mg/l | 0.0500 | 0.0191 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Lead, Total | ND | mg/l | 0.00100 | 0.00034 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Magnesium, Total | ND | mg/l | 0.0700 | 0.0242 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Manganese, Total | ND | mg/l | 0.00100 | 0.00044 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Nickel, Total | ND | mg/l | 0.00200 | 0.00055 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Potassium, Total | ND | mg/l | 0.100 | 0.0309 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Selenium, Total | ND | mg/l | 0.00500 | 0.00173 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Silver, Total | ND | mg/l | 0.00040 | 0.00016 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Sodium, Total | ND | mg/l | 0.100 | 0.0293 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Thallium, Total | ND | mg/l | 0.00050 | 0.00014 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Vanadium, Total | ND | mg/l | 0.00500 | 0.00157 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | AM |
| Zinc, Total | ND | mg/l | 0.01000 | 0.00341 | 1 | 08/31/20 23:00 | 09/01/20 08:45 | 1,6020B | 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): 05 Batch: WG1404853-1 | | | | | | | | | |
| Mercury, Total | ND | mg/l | 0.00020 | 0.00009 | 1 | 09/01/20 00:00 | 09/01/20 11:24 | 1,7470A | EW |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

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 |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-03,08-09,11-12 Batch: WG1404915-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Chromium, Total | 0.088 | J | mg/kg | 0.400 | 0.038 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Iron, Total | 1.08 | J | mg/kg | 2.00 | 0.361 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Manganese, Total | 0.120 | J | mg/kg | 0.400 | 0.064 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Nickel, Total | 0.160 | J | mg/kg | 1.00 | 0.097 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Sodium, Total | 3.24 | J | mg/kg | 80.0 | 1.26 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 09/01/20 08:55 | 09/01/20 17:47 | 1,6010D | BV |

Prep Information

Digestion Method: EPA 3050B



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

| Parameter | Result Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|------------------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-03,08-09,11-12 Batch: WG1404917-1 | | | | | | | | | |
| Mercury, Total | ND | mg/kg | 0.083 | 0.054 | 1 | 09/01/20 10:45 | 09/01/20 17:35 | 1,7471B | AL |

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): 23 Batch: WG1405347-1 | | | | | | | | | |
| Aluminum, Total | ND | mg/l | 0.100 | 0.032 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Antimony, Total | ND | mg/l | 0.050 | 0.007 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Arsenic, Total | ND | mg/l | 0.005 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Barium, Total | ND | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Beryllium, Total | ND | mg/l | 0.005 | 0.001 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Cadmium, Total | ND | mg/l | 0.005 | 0.001 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Calcium, Total | ND | mg/l | 0.100 | 0.035 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Chromium, Total | ND | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Cobalt, Total | ND | mg/l | 0.020 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Copper, Total | ND | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Iron, Total | ND | mg/l | 0.050 | 0.009 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Lead, Total | ND | mg/l | 0.010 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Magnesium, Total | ND | mg/l | 0.100 | 0.015 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Manganese, Total | ND | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Nickel, Total | ND | mg/l | 0.025 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Potassium, Total | ND | mg/l | 2.50 | 0.237 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Selenium, Total | ND | mg/l | 0.010 | 0.004 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Silver, Total | ND | mg/l | 0.007 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Sodium, Total | ND | mg/l | 2.00 | 0.120 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Thallium, Total | ND | mg/l | 0.020 | 0.003 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Vanadium, Total | ND | mg/l | 0.010 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |
| Zinc, Total | ND | mg/l | 0.050 | 0.002 | 1 | 09/01/20 20:36 | 09/03/20 10:09 | 1,6010D | GD |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

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): 23 Batch: WG1405349-1 | | | | | | | | | |
| Mercury, Total | ND | mg/l | 0.00020 | 0.00009 | 1 | 09/01/20 21:01 | 09/02/20 09:29 | 1,7470A | EW |

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): 18-19,21-22,24-25 Batch: WG1405382-1 | | | | | | | | | | |
| Aluminum, Total | ND | mg/kg | 4.00 | 1.08 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Antimony, Total | ND | mg/kg | 2.00 | 0.152 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Arsenic, Total | ND | mg/kg | 0.400 | 0.083 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Barium, Total | ND | mg/kg | 0.400 | 0.070 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Beryllium, Total | ND | mg/kg | 0.200 | 0.013 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Cadmium, Total | ND | mg/kg | 0.400 | 0.039 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Calcium, Total | ND | mg/kg | 4.00 | 1.40 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Chromium, Total | ND | mg/kg | 0.400 | 0.038 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Cobalt, Total | ND | mg/kg | 0.800 | 0.066 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Copper, Total | ND | mg/kg | 0.400 | 0.103 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Iron, Total | 0.968 | J | mg/kg | 2.00 | 0.361 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Lead, Total | ND | mg/kg | 2.00 | 0.107 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Magnesium, Total | ND | mg/kg | 4.00 | 0.616 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Manganese, Total | 0.064 | J | mg/kg | 0.400 | 0.064 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Nickel, Total | ND | mg/kg | 1.00 | 0.097 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Potassium, Total | 7.11 | J | mg/kg | 100 | 5.76 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Selenium, Total | 0.156 | J | mg/kg | 0.800 | 0.103 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Silver, Total | ND | mg/kg | 0.400 | 0.113 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |
| Sodium, Total | 3.38 | J | mg/kg | 80.0 | 1.26 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Thallium, Total | ND | mg/kg | 0.800 | 0.126 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV | |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

| | | | | | | | | | |
|-----------------|----|-------|-------|-------|---|----------------|----------------|---------|----|
| Vanadium, Total | ND | mg/kg | 0.400 | 0.081 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |
| Zinc, Total | ND | mg/kg | 2.00 | 0.117 | 1 | 09/01/20 21:50 | 09/03/20 17:44 | 1,6010D | BV |

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): 18-19,21-22,24-25 Batch: WG1405385-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.054 | 1 | 09/01/20 22:15 | 09/02/20 08:37 | 1,7471B | EW |

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): 31-34 Batch: WG1405865-1 | | | | | | | | | | |
| Aluminum, Total | 1.36 | J | mg/kg | 4.00 | 1.08 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Iron, Total | 0.560 | J | mg/kg | 2.00 | 0.361 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

| | | | | | | | | | | |
|-----------------|------|---|-------|-------|-------|---|----------------|----------------|---------|----|
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Sodium, Total | 9.06 | J | mg/kg | 80.0 | 1.26 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 09/03/20 09:30 | 09/04/20 16:08 | 1,6010D | GD |

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): 31-34 Batch: WG1405867-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.054 | 1 | 09/03/20 07:40 | 09/03/20 17:06 | 1,7471B | AL |

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): 36-38 Batch: WG1406283-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Iron, Total | ND | | mg/kg | 2.00 | 0.361 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Manganese, Total | ND | | mg/kg | 0.400 | 0.064 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

Method Blank Analysis Batch Quality Control

| | | | | | | | | | |
|------------------|----|-------|-------|-------|---|----------------|----------------|---------|----|
| Nickel, Total | ND | mg/kg | 1.00 | 0.097 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Potassium, Total | ND | mg/kg | 100 | 5.76 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Selenium, Total | ND | mg/kg | 0.800 | 0.103 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Silver, Total | ND | mg/kg | 0.400 | 0.113 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Sodium, Total | ND | mg/kg | 80.0 | 1.26 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Thallium, Total | ND | mg/kg | 0.800 | 0.126 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Vanadium, Total | ND | mg/kg | 0.400 | 0.081 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |
| Zinc, Total | ND | mg/kg | 2.00 | 0.117 | 1 | 09/05/20 08:00 | 09/09/20 16:05 | 1,6010D | BV |

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): 36-38 Batch: WG1406284-1 | | | | | | | | | |
| Mercury, Total | ND | mg/kg | 0.083 | 0.054 | 1 | 09/05/20 09:20 | 09/05/20 16:30 | 1,7471B | AL |

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1404848-2 | | | | | | | | |
| Aluminum, Total | 98 | | - | | 80-120 | - | | |
| Antimony, Total | 102 | | - | | 80-120 | - | | |
| Arsenic, Total | 107 | | - | | 80-120 | - | | |
| Barium, Total | 103 | | - | | 80-120 | - | | |
| Beryllium, Total | 110 | | - | | 80-120 | - | | |
| Cadmium, Total | 107 | | - | | 80-120 | - | | |
| Calcium, Total | 98 | | - | | 80-120 | - | | |
| Chromium, Total | 99 | | - | | 80-120 | - | | |
| Cobalt, Total | 100 | | - | | 80-120 | - | | |
| Copper, Total | 102 | | - | | 80-120 | - | | |
| Iron, Total | 99 | | - | | 80-120 | - | | |
| Lead, Total | 112 | | - | | 80-120 | - | | |
| Magnesium, Total | 105 | | - | | 80-120 | - | | |
| Manganese, Total | 98 | | - | | 80-120 | - | | |
| Nickel, Total | 96 | | - | | 80-120 | - | | |
| Potassium, Total | 99 | | - | | 80-120 | - | | |
| Selenium, Total | 103 | | - | | 80-120 | - | | |
| Silver, Total | 106 | | - | | 80-120 | - | | |
| Sodium, Total | 105 | | - | | 80-120 | - | | |
| Thallium, Total | 103 | | - | | 80-120 | - | | |
| Vanadium, Total | 97 | | - | | 80-120 | - | | |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1404848-2 | | | | | |
| Zinc, Total | 108 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1404853-2 | | | | | |
| Mercury, Total | 102 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1404915-2 SRM Lot Number: D109-540 | | | | | |
| Aluminum, Total | 77 | - | 50-150 | - | |
| Antimony, Total | 141 | - | 19-250 | - | |
| Arsenic, Total | 100 | - | 70-130 | - | |
| Barium, Total | 100 | - | 75-125 | - | |
| Beryllium, Total | 94 | - | 75-125 | - | |
| Cadmium, Total | 92 | - | 75-125 | - | |
| Calcium, Total | 91 | - | 73-128 | - | |
| Chromium, Total | 94 | - | 70-130 | - | |
| Cobalt, Total | 94 | - | 75-125 | - | |
| Copper, Total | 93 | - | 75-125 | - | |
| Iron, Total | 105 | - | 35-165 | - | |
| Lead, Total | 99 | - | 72-128 | - | |
| Magnesium, Total | 86 | - | 62-138 | - | |
| Manganese, Total | 96 | - | 74-126 | - | |
| Nickel, Total | 94 | - | 70-130 | - | |
| Potassium, Total | 89 | - | 59-141 | - | |
| Selenium, Total | 96 | - | 68-132 | - | |
| Silver, Total | 101 | - | 68-131 | - | |
| Sodium, Total | 105 | - | 35-165 | - | |
| Thallium, Total | 91 | - | 68-131 | - | |
| Vanadium, Total | 99 | - | 59-141 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1404915-2 SRM Lot Number: D109-540 | | | | | |
| Zinc, Total | 98 | - | 70-130 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1404917-2 SRM Lot Number: D109-540 | | | | | |
| Mercury, Total | 93 | - | 60-140 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 23 Batch: WG1405347-2 | | | | | |
| Aluminum, Total | 102 | - | 80-120 | - | |
| Antimony, Total | 100 | - | 80-120 | - | |
| Arsenic, Total | 112 | - | 80-120 | - | |
| Barium, Total | 102 | - | 80-120 | - | |
| Beryllium, Total | 104 | - | 80-120 | - | |
| Cadmium, Total | 109 | - | 80-120 | - | |
| Calcium, Total | 102 | - | 80-120 | - | |
| Chromium, Total | 101 | - | 80-120 | - | |
| Cobalt, Total | 102 | - | 80-120 | - | |
| Copper, Total | 102 | - | 80-120 | - | |
| Iron, Total | 100 | - | 80-120 | - | |
| Lead, Total | 109 | - | 80-120 | - | |
| Magnesium, Total | 105 | - | 80-120 | - | |
| Manganese, Total | 100 | - | 80-120 | - | |
| Nickel, Total | 100 | - | 80-120 | - | |
| Potassium, Total | 100 | - | 80-120 | - | |
| Selenium, Total | 110 | - | 80-120 | - | |
| Silver, Total | 100 | - | 80-120 | - | |
| Sodium, Total | 104 | - | 80-120 | - | |
| Thallium, Total | 104 | - | 80-120 | - | |
| Vanadium, Total | 99 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 23 Batch: WG1405347-2 | | | | | |
| Zinc, Total | 109 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 23 Batch: WG1405349-2 | | | | | |
| Mercury, Total | 96 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 18-19,21-22,24-25 Batch: WG1405382-2 SRM Lot Number: D109-540 | | | | | |
| Aluminum, Total | 56 | - | 50-150 | - | |
| Antimony, Total | 126 | - | 19-250 | - | |
| Arsenic, Total | 96 | - | 70-130 | - | |
| Barium, Total | 90 | - | 75-125 | - | |
| Beryllium, Total | 94 | - | 75-125 | - | |
| Cadmium, Total | 92 | - | 75-125 | - | |
| Calcium, Total | 87 | - | 73-128 | - | |
| Chromium, Total | 88 | - | 70-130 | - | |
| Cobalt, Total | 93 | - | 75-125 | - | |
| Copper, Total | 92 | - | 75-125 | - | |
| Iron, Total | 72 | - | 35-165 | - | |
| Lead, Total | 94 | - | 72-128 | - | |
| Magnesium, Total | 79 | - | 62-138 | - | |
| Manganese, Total | 93 | - | 74-126 | - | |
| Nickel, Total | 93 | - | 70-130 | - | |
| Potassium, Total | 75 | - | 59-141 | - | |
| Selenium, Total | 96 | - | 68-132 | - | |
| Silver, Total | 93 | - | 68-131 | - | |
| Sodium, Total | 100 | - | 35-165 | - | |
| Thallium, Total | 93 | - | 68-131 | - | |
| Vanadium, Total | 84 | - | 59-141 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 18-19,21-22,24-25 Batch: WG1405382-2 SRM Lot Number: D109-540 | | | | | |
| Zinc, Total | 91 | - | 70-130 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 18-19,21-22,24-25 Batch: WG1405385-2 SRM Lot Number: D109-540 | | | | | |
| Mercury, Total | 100 | - | 60-140 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 31-34 Batch: WG1405865-2 SRM Lot Number: D109-540 | | | | | |
| Aluminum, Total | 69 | - | 50-150 | - | |
| Antimony, Total | 145 | - | 19-250 | - | |
| Arsenic, Total | 95 | - | 70-130 | - | |
| Barium, Total | 87 | - | 75-125 | - | |
| Beryllium, Total | 86 | - | 75-125 | - | |
| Cadmium, Total | 90 | - | 75-125 | - | |
| Calcium, Total | 88 | - | 73-128 | - | |
| Chromium, Total | 88 | - | 70-130 | - | |
| Cobalt, Total | 92 | - | 75-125 | - | |
| Copper, Total | 88 | - | 75-125 | - | |
| Iron, Total | 88 | - | 35-165 | - | |
| Lead, Total | 90 | - | 72-128 | - | |
| Magnesium, Total | 85 | - | 62-138 | - | |
| Manganese, Total | 86 | - | 74-126 | - | |
| Nickel, Total | 94 | - | 70-130 | - | |
| Potassium, Total | 81 | - | 59-141 | - | |
| Selenium, Total | 95 | - | 68-132 | - | |
| Silver, Total | 91 | - | 68-131 | - | |
| Sodium, Total | 100 | - | 35-165 | - | |
| Thallium, Total | 89 | - | 68-131 | - | |
| Vanadium, Total | 85 | - | 59-141 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 31-34 Batch: WG1405865-2 SRM Lot Number: D109-540 | | | | | |
| Zinc, Total | 89 | - | 70-130 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 31-34 Batch: WG1405867-2 SRM Lot Number: D109-540 | | | | | |
| Mercury, Total | 98 | - | 60-140 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 36-38 Batch: WG1406283-2 SRM Lot Number: D109-540 | | | | | |
| Aluminum, Total | 75 | - | 50-150 | - | |
| Antimony, Total | 128 | - | 19-250 | - | |
| Arsenic, Total | 104 | - | 70-130 | - | |
| Barium, Total | 99 | - | 75-125 | - | |
| Beryllium, Total | 104 | - | 75-125 | - | |
| Cadmium, Total | 101 | - | 75-125 | - | |
| Calcium, Total | 97 | - | 73-128 | - | |
| Chromium, Total | 101 | - | 70-130 | - | |
| Cobalt, Total | 103 | - | 75-125 | - | |
| Copper, Total | 103 | - | 75-125 | - | |
| Iron, Total | 102 | - | 35-165 | - | |
| Lead, Total | 98 | - | 72-128 | - | |
| Magnesium, Total | 91 | - | 62-138 | - | |
| Manganese, Total | 97 | - | 74-126 | - | |
| Nickel, Total | 102 | - | 70-130 | - | |
| Potassium, Total | 91 | - | 59-141 | - | |
| Selenium, Total | 102 | - | 68-132 | - | |
| Silver, Total | 101 | - | 68-131 | - | |
| Sodium, Total | 105 | - | 35-165 | - | |
| Thallium, Total | 102 | - | 68-131 | - | |
| Vanadium, Total | 102 | - | 59-141 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 36-38 Batch: WG1406283-2 SRM Lot Number: D109-540 | | | | | |
| Zinc, Total | 99 | - | 70-130 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 36-38 Batch: WG1406284-2 SRM Lot Number: D109-540 | | | | | |
| Mercury, Total | 92 | - | 60-140 | - | |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1404848-3 QC Sample: L2035315-01 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 0.173 | 2 | 2.16 | 99 | - | - | - | - | 75-125 | - | - | 20 |
| Antimony, Total | ND | 0.5 | 0.5845 | 117 | - | - | - | - | 75-125 | - | - | 20 |
| Arsenic, Total | 0.00403 | 0.12 | 0.1327 | 107 | - | - | - | - | 75-125 | - | - | 20 |
| Barium, Total | 0.0286 | 2 | 2.110 | 104 | - | - | - | - | 75-125 | - | - | 20 |
| Beryllium, Total | ND | 0.05 | 0.05533 | 111 | - | - | - | - | 75-125 | - | - | 20 |
| Cadmium, Total | ND | 0.051 | 0.05541 | 109 | - | - | - | - | 75-125 | - | - | 20 |
| Calcium, Total | 98.5 | 10 | 111 | 125 | - | - | - | - | 75-125 | - | - | 20 |
| Chromium, Total | ND | 0.2 | 0.2036 | 102 | - | - | - | - | 75-125 | - | - | 20 |
| Cobalt, Total | ND | 0.5 | 0.5134 | 103 | - | - | - | - | 75-125 | - | - | 20 |
| Copper, Total | 0.00509 | 0.25 | 0.2646 | 104 | - | - | - | - | 75-125 | - | - | 20 |
| Iron, Total | 0.930 | 1 | 2.10 | 117 | - | - | - | - | 75-125 | - | - | 20 |
| Lead, Total | ND | 0.51 | 0.5828 | 114 | - | - | - | - | 75-125 | - | - | 20 |
| Magnesium, Total | 120 | 10 | 129 | 90 | - | - | - | - | 75-125 | - | - | 20 |
| Manganese, Total | 0.6567 | 0.5 | 1.179 | 104 | - | - | - | - | 75-125 | - | - | 20 |
| Nickel, Total | ND | 0.5 | 0.4918 | 98 | - | - | - | - | 75-125 | - | - | 20 |
| Potassium, Total | 56.1 | 10 | 66.2 | 101 | - | - | - | - | 75-125 | - | - | 20 |
| Selenium, Total | ND | 0.12 | 0.132 | 110 | - | - | - | - | 75-125 | - | - | 20 |
| Silver, Total | ND | 0.05 | 0.05290 | 106 | - | - | - | - | 75-125 | - | - | 20 |
| Sodium, Total | 1310 | 10 | 1290 | 0 | Q | - | - | - | 75-125 | - | - | 20 |
| Thallium, Total | ND | 0.12 | 0.1283 | 107 | - | - | - | - | 75-125 | - | - | 20 |
| Vanadium, Total | ND | 0.5 | 0.5037 | 101 | - | - | - | - | 75-125 | - | - | 20 |

Matrix Spike Analysis
Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| 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): 05 QC Batch ID: WG1404848-3 QC Sample: L2035315-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | ND | 0.5 | 0.5461 | 109 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1404853-3 QC Sample: L2035276-13 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00488 | 98 | - | - | 75-125 | - | 20 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1404915-3 QC Sample: L2035215-01 Client ID: MS Sample | | | | | | | | | |
| Aluminum, Total | 2780 | 162 | 2810 | 18 | Q | - | 75-125 | - | 20 |
| Antimony, Total | ND | 40.4 | 38.4 | 95 | | - | 75-125 | - | 20 |
| Arsenic, Total | 3.64 | 9.7 | 12.7 | 93 | | - | 75-125 | - | 20 |
| Barium, Total | 9.66 | 162 | 170 | 99 | | - | 75-125 | - | 20 |
| Beryllium, Total | 0.079J | 4.04 | 3.90 | 96 | | - | 75-125 | - | 20 |
| Cadmium, Total | 0.043J | 4.12 | 3.99 | 97 | | - | 75-125 | - | 20 |
| Calcium, Total | 384 | 809 | 900 | 64 | Q | - | 75-125 | - | 20 |
| Chromium, Total | 4.08 | 16.2 | 18.0 | 86 | | - | 75-125 | - | 20 |
| Cobalt, Total | 1.53 | 40.4 | 38.1 | 90 | | - | 75-125 | - | 20 |
| Copper, Total | 2.58 | 20.2 | 21.3 | 92 | | - | 75-125 | - | 20 |
| Iron, Total | 4410 | 80.9 | 3930 | 0 | Q | - | 75-125 | - | 20 |
| Lead, Total | 1.48J | 41.2 | 41.6 | 101 | | - | 75-125 | - | 20 |
| Magnesium, Total | 810 | 809 | 1500 | 85 | | - | 75-125 | - | 20 |
| Manganese, Total | 68.5 | 40.4 | 101 | 80 | | - | 75-125 | - | 20 |
| Nickel, Total | 2.99 | 40.4 | 38.0 | 86 | | - | 75-125 | - | 20 |
| Potassium, Total | 529 | 809 | 1220 | 85 | | - | 75-125 | - | 20 |
| Selenium, Total | ND | 9.7 | 9.67 | 100 | | - | 75-125 | - | 20 |
| Silver, Total | ND | 24.3 | 23.4 | 96 | | - | 75-125 | - | 20 |
| Sodium, Total | 37.5J | 809 | 861 | 106 | | - | 75-125 | - | 20 |
| Thallium, Total | ND | 9.7 | 8.70 | 90 | | - | 75-125 | - | 20 |
| Vanadium, Total | 5.86 | 40.4 | 41.8 | 89 | | - | 75-125 | - | 20 |

Matrix Spike Analysis
Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1404915-3 QC Sample: L2035215-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 12.9 | 40.4 | 49.6 | 91 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1404917-3 QC Sample: L2035215-01 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | ND | 0.13 | 0.130 | 100 | - | - | 80-120 | - | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 23 QC Batch ID: WG1405347-3 QC Sample: L2035914-01 Client ID: MS Sample | | | | | | | | | |
| Aluminum, Total | 0.779 | 2 | 2.83 | 102 | - | - | 75-125 | - | 20 |
| Antimony, Total | 0.014J | 0.5 | 0.521 | 104 | - | - | 75-125 | - | 20 |
| Arsenic, Total | ND | 0.12 | 0.139 | 116 | - | - | 75-125 | - | 20 |
| Barium, Total | 0.049 | 2 | 2.16 | 106 | - | - | 75-125 | - | 20 |
| Beryllium, Total | ND | 0.05 | 0.053 | 107 | - | - | 75-125 | - | 20 |
| Cadmium, Total | ND | 0.051 | 0.056 | 110 | - | - | 75-125 | - | 20 |
| Calcium, Total | 129 | 10 | 142 | 130 | Q | - | 75-125 | - | 20 |
| Chromium, Total | ND | 0.2 | 0.206 | 103 | - | - | 75-125 | - | 20 |
| Cobalt, Total | ND | 0.5 | 0.514 | 103 | - | - | 75-125 | - | 20 |
| Copper, Total | ND | 0.25 | 0.267 | 107 | - | - | 75-125 | - | 20 |
| Iron, Total | 2.04 | 1 | 3.10 | 106 | - | - | 75-125 | - | 20 |
| Lead, Total | ND | 0.51 | 0.556 | 109 | - | - | 75-125 | - | 20 |
| Magnesium, Total | 49.2 | 10 | 61.1 | 119 | - | - | 75-125 | - | 20 |
| Manganese, Total | 0.128 | 0.5 | 0.636 | 102 | - | - | 75-125 | - | 20 |
| Nickel, Total | ND | 0.5 | 0.496 | 99 | - | - | 75-125 | - | 20 |
| Potassium, Total | 1.59J | 10 | 12.0 | 120 | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 0.12 | 0.136 | 113 | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 0.05 | 0.053 | 105 | - | - | 75-125 | - | 20 |
| Sodium, Total | 56.3 | 10 | 68.4 | 121 | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 0.12 | 0.123 | 102 | - | - | 75-125 | - | 20 |
| Vanadium, Total | ND | 0.5 | 0.516 | 103 | - | - | 75-125 | - | 20 |

Matrix Spike Analysis
Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| 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): 23 QC Batch ID: WG1405347-3 QC Sample: L2035914-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.006J | 0.5 | 0.548 | 110 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 23 QC Batch ID: WG1405349-3 QC Sample: L2035280-23 Client ID: 052_FB_08312020 | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00455 | 91 | - | - | 75-125 | - | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 18-19,21-22,24-25 QC Batch ID: WG1405382-3 WG1405382-4 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | |
| Aluminum, Total | 7020 | 198 | 7530 | 257 | Q | 7240 | 112 | 75-125 | 4 | 20 |
| Antimony, Total | ND | 49.5 | 39.9 | 80 | | 45.0 | 92 | 75-125 | 12 | 20 |
| Arsenic, Total | 4.47 | 11.9 | 17.2 | 107 | | 20.8 | 139 | Q 75-125 | 19 | 20 |
| Barium, Total | 145 | 198 | 337 | 97 | | 308 | 83 | 75-125 | 9 | 20 |
| Beryllium, Total | 0.416J | 4.95 | 5.42 | 109 | | 5.32 | 108 | 75-125 | 2 | 20 |
| Cadmium, Total | 0.984 | 5.05 | 5.74 | 94 | | 5.81 | 96 | 75-125 | 1 | 20 |
| Calcium, Total | 26500 | 991 | 27300 | 81 | | 24600 | 0 | Q 75-125 | 10 | 20 |
| Chromium, Total | 120 | 19.8 | 96.1 | 0 | Q | 82.9 | 0 | Q 75-125 | 15 | 20 |
| Cobalt, Total | 6.01 | 49.5 | 51.3 | 91 | | 50.7 | 91 | 75-125 | 1 | 20 |
| Copper, Total | 197 | 24.8 | 187 | 0 | Q | 324 | 518 | Q 75-125 | 54 | Q 20 |
| Iron, Total | 14500 | 99.1 | 13700 | 0 | Q | 18200 | 3770 | Q 75-125 | 28 | Q 20 |
| Lead, Total | 222 | 50.5 | 259 | 73 | Q | 408 | 372 | Q 75-125 | 45 | Q 20 |
| Magnesium, Total | 4100 | 991 | 4740 | 64 | Q | 4680 | 59 | Q 75-125 | 1 | 20 |
| Manganese, Total | 326 | 49.5 | 405 | 159 | Q | 409 | 169 | Q 75-125 | 1 | 20 |
| Nickel, Total | 31.0 | 49.5 | 74.4 | 88 | | 72.8 | 85 | 75-125 | 2 | 20 |
| Potassium, Total | 1580 | 991 | 2610 | 104 | | 2490 | 93 | 75-125 | 5 | 20 |
| Selenium, Total | 0.700J | 11.9 | 12.0 | 101 | | 12.1 | 103 | 75-125 | 1 | 20 |
| Silver, Total | ND | 29.7 | 30.5 | 102 | | 30.1 | 102 | 75-125 | 1 | 20 |
| Sodium, Total | 431 | 991 | 1490 | 107 | | 1520 | 111 | 75-125 | 2 | 20 |
| Thallium, Total | ND | 11.9 | 8.61 | 72 | Q | 8.34 | 71 | Q 75-125 | 3 | 20 |
| Vanadium, Total | 55.4 | 49.5 | 99.5 | 89 | | 118 | 128 | Q 75-125 | 17 | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 18-19,21-22,24-25 QC Batch ID: WG1405382-3 WG1405382-4 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | |
| Zinc, Total | 326 | 49.5 | 353 | 54 | Q 371 | 92 | 75-125 | 5 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 18-19,21-22,24-25 QC Batch ID: WG1405385-3 WG1405385-4 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | |
| Mercury, Total | 0.181 | 0.173 | 0.343 | 94 | 0.444 | 149 | Q 80-120 | 26 | Q 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 31-34 QC Batch ID: WG1405865-3 WG1405865-4 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | |
| Aluminum, Total | 6560 | 173 | 6650 | 52 | Q | 5750 | 0 | Q | 75-125 | 15 | 20 |
| Antimony, Total | ND | 43.2 | 33.8 | 78 | | 35.4 | 83 | | 75-125 | 5 | 20 |
| Arsenic, Total | 4.06 | 10.4 | 12.8 | 84 | | 12.9 | 86 | | 75-125 | 1 | 20 |
| Barium, Total | 85.3 | 173 | 272 | 108 | | 232 | 86 | | 75-125 | 16 | 20 |
| Beryllium, Total | 0.200J | 4.32 | 3.80 | 88 | | 3.82 | 89 | | 75-125 | 1 | 20 |
| Cadmium, Total | 0.296J | 4.41 | 4.26 | 97 | | 4.30 | 99 | | 75-125 | 1 | 20 |
| Calcium, Total | 6880 | 864 | 9080 | 254 | Q | 8160 | 150 | Q | 75-125 | 11 | 20 |
| Chromium, Total | 11.7 | 17.3 | 27.5 | 91 | | 25.4 | 80 | | 75-125 | 8 | 20 |
| Cobalt, Total | 5.70 | 43.2 | 42.8 | 86 | | 42.2 | 85 | | 75-125 | 1 | 20 |
| Copper, Total | 25.7 | 21.6 | 46.5 | 96 | | 39.3 | 64 | Q | 75-125 | 17 | 20 |
| Iron, Total | 13000 | 86.4 | 12400 | 0 | Q | 11200 | 0 | Q | 75-125 | 10 | 20 |
| Lead, Total | 263 | 44.1 | 301 | 86 | | 286 | 53 | Q | 75-125 | 5 | 20 |
| Magnesium, Total | 2580 | 864 | 3570 | 114 | | 3420 | 98 | | 75-125 | 4 | 20 |
| Manganese, Total | 193 | 43.2 | 242 | 113 | | 197 | 9 | Q | 75-125 | 21 | Q |
| Nickel, Total | 11.9 | 43.2 | 48.7 | 85 | | 47.0 | 82 | | 75-125 | 4 | 20 |
| Potassium, Total | 770 | 864 | 1650 | 102 | | 1440 | 78 | | 75-125 | 14 | 20 |
| Selenium, Total | 0.626J | 10.4 | 9.26 | 89 | | 9.80 | 96 | | 75-125 | 6 | 20 |
| Silver, Total | ND | 25.9 | 24.3 | 94 | | 24.4 | 95 | | 75-125 | 0 | 20 |
| Sodium, Total | 166J | 864 | 998 | 115 | | 973 | 114 | | 75-125 | 3 | 20 |
| Thallium, Total | ND | 10.4 | 8.06 | 78 | | 8.44 | 82 | | 75-125 | 5 | 20 |
| Vanadium, Total | 16.8 | 43.2 | 52.7 | 83 | | 50.2 | 78 | | 75-125 | 5 | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 31-34 QC Batch ID: WG1405865-3 WG1405865-4 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | |
| Zinc, Total | 99.1 | 43.2 | 151 | 120 | 132 | 77 | 75-125 | 13 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 31-34 QC Batch ID: WG1405867-3 WG1405867-4 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | |
| Mercury, Total | 0.469 | 0.142 | 0.654 | 130 | Q | 80 | 80-120 | 11 | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| 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): 36-38 QC Batch ID: WG1406283-3 WG1406283-4 QC Sample: L2036319-01 Client ID: MS Sample | | | | | | | | | | | |
| Aluminum, Total | 8110 | 184 | 8640 | 287 | Q | 8640 | 281 | Q | 75-125 | 0 | 20 |
| Antimony, Total | ND | 46.1 | 30.2 | 65 | Q | 32.2 | 68 | Q | 75-125 | 6 | 20 |
| Arsenic, Total | 1.74 | 11.1 | 11.4 | 87 | | 12.0 | 91 | | 75-125 | 5 | 20 |
| Barium, Total | 55.4 | 184 | 230 | 94 | | 226 | 90 | | 75-125 | 2 | 20 |
| Beryllium, Total | 0.234J | 4.61 | 4.70 | 102 | | 4.78 | 101 | | 75-125 | 2 | 20 |
| Cadmium, Total | ND | 4.71 | 4.11 | 87 | | 4.27 | 89 | | 75-125 | 4 | 20 |
| Calcium, Total | 2820 | 923 | 3620 | 87 | | 11100 | 878 | Q | 75-125 | 102 | Q 20 |
| Chromium, Total | 20.9 | 18.4 | 41.6 | 112 | | 41.0 | 106 | | 75-125 | 1 | 20 |
| Cobalt, Total | 6.83 | 46.1 | 47.5 | 88 | | 48.5 | 88 | | 75-125 | 2 | 20 |
| Copper, Total | 23.5 | 23.1 | 47.6 | 104 | | 45.4 | 93 | | 75-125 | 5 | 20 |
| Iron, Total | 13400 | 92.3 | 13300 | 0 | Q | 12800 | 0 | Q | 75-125 | 4 | 20 |
| Lead, Total | 58.2 | 47.1 | 93.8 | 76 | | 73.3 | 31 | Q | 75-125 | 25 | Q 20 |
| Magnesium, Total | 3770 | 923 | 4580 | 88 | | 8690 | 522 | Q | 75-125 | 62 | Q 20 |
| Manganese, Total | 114 | 46.1 | 157 | 93 | | 190 | 161 | Q | 75-125 | 19 | 20 |
| Nickel, Total | 13.9 | 46.1 | 54.0 | 87 | | 55.0 | 87 | | 75-125 | 2 | 20 |
| Potassium, Total | 788 | 923 | 1780 | 107 | | 1940 | 122 | | 75-125 | 9 | 20 |
| Selenium, Total | ND | 11.1 | 8.73 | 79 | | 10.2 | 90 | | 75-125 | 16 | 20 |
| Silver, Total | ND | 27.7 | 27.2 | 98 | | 28.1 | 99 | | 75-125 | 3 | 20 |
| Sodium, Total | 226 | 923 | 1180 | 103 | | 1170 | 100 | | 75-125 | 1 | 20 |
| Thallium, Total | ND | 11.1 | 9.55 | 86 | | 9.91 | 88 | | 75-125 | 4 | 20 |
| Vanadium, Total | 23.3 | 46.1 | 66.9 | 94 | | 66.9 | 92 | | 75-125 | 0 | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

| 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): 36-38 QC Batch ID: WG1406283-3 WG1406283-4 QC Sample: L2036319-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 34.8 | 46.1 | 83.9 | 106 | 81.1 | 98 | 75-125 | 3 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 36-38 QC Batch ID: WG1406284-3 QC Sample: L2036052-01 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | 0.053J | 0.156 | 0.468 | 300 | Q | - | 80-120 | - | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1404848-4 QC Sample: L2035315-01 Client ID: DUP Sample | | | | | | |
| Arsenic, Total | 0.00403 | 0.00404 | mg/l | 0 | | 20 |
| Cadmium, Total | ND | ND | mg/l | NC | | 20 |
| Copper, Total | 0.00509 | 0.00495J | mg/l | NC | | 20 |
| Lead, Total | ND | ND | mg/l | NC | | 20 |
| Nickel, Total | ND | ND | mg/l | NC | | 20 |
| Selenium, Total | ND | ND | mg/l | NC | | 20 |
| Zinc, Total | ND | ND | mg/l | NC | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1404853-4 QC Sample: L2035276-13 Client ID: DUP Sample | | | | | | |
| Mercury, Total | ND | ND | mg/l | NC | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1404915-4 QC Sample: L2035215-01 Client ID: DUP Sample | | | | | | |
| Arsenic, Total | 3.64 | 3.02 | mg/kg | 19 | | 20 |
| Barium, Total | 9.66 | 7.67 | mg/kg | 23 | Q | 20 |
| Cadmium, Total | 0.043J | ND | mg/kg | NC | | 20 |
| Chromium, Total | 4.08 | 2.97 | mg/kg | 31 | Q | 20 |
| Lead, Total | 1.48J | 1.30J | mg/kg | NC | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1404917-4 QC Sample: L2035215-01 Client ID: DUP Sample | | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 23 QC Batch ID: WG1405347-4 QC Sample: L2035914-01 Client ID: DUP Sample | | | | | |
| Calcium, Total | 129 | 130 | mg/l | 1 | 20 |
| Magnesium, Total | 49.2 | 49.6 | mg/l | 1 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 23 QC Batch ID: WG1405349-4 QC Sample: L2035280-23 Client ID: 052_FB_08312020 | | | | | |
| Mercury, Total | ND | ND | mg/l | NC | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 36-38 QC Batch ID: WG1406284-4 QC Sample: L2036052-01 Client ID: DUP Sample | | | | | |
| Mercury, Total | 0.053J | 0.118 | mg/kg | NC | 20 |

INORGANICS & MISCELLANEOUS

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-01
Client ID: 030_LSB-44_3.0-5.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:00
Date Received: 08/27/20
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 | - | 08/28/20 12:57 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.889 | 0.178 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-02

Date Collected: 08/27/20 11:05

Client ID: 031_LSB-44_12.0-14.0

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 80.8 | | % | 0.100 | NA | 1 | - | 08/28/20 12:57 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.990 | 0.198 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-03
Client ID: 032_DUP-1
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 11:10
Date Received: 08/27/20
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 | 73.5 | | % | 0.100 | NA | 1 | - | 08/28/20 12:57 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.09 | 0.218 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-04

Date Collected: 08/27/20 12:40

Client ID: 033_LSB-49_9.5-11.5

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 76.1 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-05
Client ID: 034_FB_08272020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/27/20 12:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 08/28/20 02:20 | 08/28/20 02:51 | 1,7196A | CB |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-06

Date Collected: 08/27/20 13:00

Client ID: 035_LSB-52_9.5-11.5

Date Received: 08/27/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 82.6 | | % | 0.100 | NA | 1 | - | 08/28/20 12:57 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-08
Client ID: 037_LSB-43_2.5-4.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 08:20
Date Received: 08/28/20
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 | - | 08/29/20 11:51 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.870 | 0.174 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-09

Date Collected: 08/28/20 08:25

Client ID: 038_LSB-43_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 73.9 | | % | 0.100 | NA | 1 | - | 08/29/20 11:51 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.08 | 0.216 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-10

Date Collected: 08/28/20 11:00

Client ID: 039_LSB-48_8.0-10.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 70.2 | | % | 0.100 | NA | 1 | - | 08/29/20 11:51 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-11
Client ID: 040_LSB-42_1.5-3.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 11:15
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 81.4 | | % | 0.100 | NA | 1 | - | 08/29/20 11:51 | 121,2540G | RI |
| Chromium, Hexavalent | 2.52 | | mg/kg | 0.983 | 0.196 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-12

Date Collected: 08/28/20 11:20

Client ID: 041_LSB-42_12.0-14.0

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 84.1 | | % | 0.100 | NA | 1 | - | 08/29/20 11:51 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.951 | 0.190 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Project Number:** 100765102**Lab Number:** L2035280**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-13

Client ID: 042_LSB-50_9.5-11.5

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/28/20 09:00

Date Received: 08/28/20

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 | 54.4 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-14

Date Collected: 08/28/20 11:45

Client ID: 043_LSB-53_9.5-11.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 80.1 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-15

Date Collected: 08/28/20 11:25

Client ID: 044_LSB-42_7.5-9.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 83.2 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-16

Date Collected: 08/28/20 12:00

Client ID: 045_LSB-54_9.5-11.5

Date Received: 08/28/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 85.5 | | % | 0.100 | NA | 1 | - | 08/29/20 11:51 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-18

Date Collected: 08/31/20 08:00

Client ID: 047_LSB-41_4.0-6.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 79.9 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.00 | 0.200 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-19

Date Collected: 08/31/20 08:10

Client ID: 048_LSB-41_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 65.8 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.22 | 0.243 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-20

Date Collected: 08/31/20 13:30

Client ID: 049_LSB-47_8.5-10.5

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 72.8 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-21

Date Collected: 08/31/20 11:15

Client ID: 050_LSB-37_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 86.0 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.930 | 0.186 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-22
Client ID: 051_LSB-37_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:20
Date Received: 08/31/20
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 | 83.9 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.954 | 0.191 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-23
Client ID: 052_FB_08312020
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 11:00
Date Received: 08/31/20
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 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/01/20 09:00 | 09/01/20 09:32 | 1,7196A | JA |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-24

Date Collected: 08/31/20 11:45

Client ID: 053_LSB-40_1.0-3.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 78.9 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.01 | 0.203 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-25

Date Collected: 08/31/20 11:50

Client ID: 054_LSB-40_12.0-14.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 79.1 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.01 | 0.202 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-26

Date Collected: 08/31/20 13:50

Client ID: 055_LSB-46_6.0-8.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | - | 09/01/20 14:02 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-27

Date Collected: 08/31/20 14:00

Client ID: 056_LSB-45_7.5-9.5

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 73.4 | | % | 0.100 | NA | 1 | - | 09/01/20 14:02 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-28
Client ID: 057_LSB-41_7.5-9.5
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 08/31/20 13:40
Date Received: 08/31/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 81.5 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-29

Date Collected: 08/31/20 14:10

Client ID: 058_LSB-40_6.0-8.0

Date Received: 08/31/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 81.1 | | % | 0.100 | NA | 1 | - | 09/02/20 12:31 | 121,2540G | RI |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-31
Client ID: 060_LSB-36_1.0-3.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 09:00
Date Received: 09/01/20
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 | 90.6 | | % | 0.100 | NA | 1 | - | 09/02/20 12:47 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.883 | 0.177 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-32

Date Collected: 09/01/20 09:10

Client ID: 061_LSB-36_12.0-14.0

Date Received: 09/01/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 81.9 | | % | 0.100 | NA | 1 | - | 09/02/20 12:47 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.977 | 0.195 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-33
Client ID: 062_LSB-38_2.0-4.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:20
Date Received: 09/01/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.3 | | % | 0.100 | NA | 1 | - | 09/02/20 12:47 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.906 | 0.181 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

SAMPLE RESULTS

Lab ID: L2035280-34
Client ID: 063_LSB-38_12.0-14.0
Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

Date Collected: 09/01/20 10:30
Date Received: 09/01/20
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 | 82.3 | | % | 0.100 | NA | 1 | - | 09/02/20 12:47 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.972 | 0.194 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-36

Date Collected: 09/02/20 11:15

Client ID: 065_LSB-39_1.0-3.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 76.0 | | % | 0.100 | NA | 1 | - | 09/03/20 10:05 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.05 | 0.210 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-37

Date Collected: 09/02/20 11:20

Client ID: 066_LSB-39_12.0-14.0

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 68.3 | | % | 0.100 | NA | 1 | - | 09/03/20 10:05 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 1.17 | 0.234 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**SAMPLE RESULTS**

Lab ID: L2035280-38

Date Collected: 09/02/20 11:25

Client ID: 067_DUP-2

Date Received: 09/02/20

Sample Location: 280 WEST 155TH ST., MANHATTAN, NY

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 | 82.7 | | % | 0.100 | NA | 1 | - | 09/03/20 10:05 | 121,2540G | RI |
| Chromium, Hexavalent | ND | | mg/kg | 0.967 | 0.193 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

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): 05 Batch: WG1403858-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 08/28/20 02:20 | 08/28/20 02:48 | 1,7196A | CB |
| General Chemistry - Westborough Lab for sample(s): 01-03,08-09,11-12 Batch: WG1405066-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 09/03/20 11:22 | 09/03/20 15:48 | 1,7196A | DR |
| General Chemistry - Westborough Lab for sample(s): 23 Batch: WG1405161-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/01/20 09:00 | 09/01/20 09:27 | 1,7196A | JA |
| General Chemistry - Westborough Lab for sample(s): 18-19,21-22,24-25 Batch: WG1405328-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 09/01/20 14:58 | 09/02/20 02:35 | 1,7196A | KF |
| General Chemistry - Westborough Lab for sample(s): 31-34,36-38 Batch: WG1406453-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/kg | 0.800 | 0.160 | 1 | 09/04/20 01:15 | 09/04/20 12:10 | 1,7196A | DR |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1403858-2 | | | | | | | | |
| Chromium, Hexavalent | 102 | | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-03,08-09,11-12 Batch: WG1405066-2 | | | | | | | | |
| Chromium, Hexavalent | 100 | | - | | 80-120 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 23 Batch: WG1405161-2 | | | | | | | | |
| Chromium, Hexavalent | 102 | | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 18-19,21-22,24-25 Batch: WG1405328-2 | | | | | | | | |
| Chromium, Hexavalent | 105 | | - | | 80-120 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 31-34,36-38 Batch: WG1406453-2 | | | | | | | | |
| Chromium, Hexavalent | 90 | | - | | 80-120 | - | | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1403858-4 QC Sample: L2035280-05 Client ID: 034_FB_08272020 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.1 | 0.096 | 96 | - | - | - | - | 85-115 | - | - | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1405066-4 QC Sample: L2035280-01 Client ID: 030_LSB-44_3.0-5.0 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 721 | 658 | 91 | - | - | - | - | 75-125 | - | - | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1405161-4 QC Sample: L2035280-23 Client ID: 052_FB_08312020 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.1 | 0.093 | 93 | - | - | - | - | 85-115 | - | - | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 18-19,21-22,24-25 QC Batch ID: WG1405328-4 WG1405328-5 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 986 | 1010 | 102 | 900 | 95 | 95 | 95 | 75-125 | 12 | Q | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 31-34,36-38 QC Batch ID: WG1406453-4 WG1406453-5 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 1750 | 1720 | 98 | 1350 | 96 | 96 | 96 | 75-125 | 24 | Q | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1403858-3 QC Sample: L2035280-05 Client ID: 034_FB_08272020 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-03,06 QC Batch ID: WG1404073-1 QC Sample: L2035215-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 96.6 | 96.3 | % | 0 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 08-12,16 QC Batch ID: WG1404407-1 QC Sample: L2035672-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91.4 | 92.9 | % | 2 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 01-03,08-09,11-12 QC Batch ID: WG1405066-6 QC Sample: L2035280-01 Client ID: 030_LSB-44_3.0-5.0 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/kg | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 23 QC Batch ID: WG1405161-3 QC Sample: L2035280-23 Client ID: 052_FB_08312020 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 18-19,21-22,24-27 QC Batch ID: WG1405211-1 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | |
| Solids, Total | 79.9 | 80.5 | % | 1 | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 18-19,21-22,24-25 QC Batch ID: WG1405328-7 QC Sample: L2035280-18 Client ID: 047_LSB-41_4.0-6.0 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/kg | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 04,13-15,20,28-29 QC Batch ID: WG1405651-1 QC Sample: L2035988-05 Client ID: DUP Sample | | | | | | |
| Solids, Total | 91.2 | 89.7 | % | 2 | | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2035280

Report Date: 09/16/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---------------|------------------|-------|-----|------------|
| General Chemistry - Westborough Lab Associated sample(s): 31-34 QC Batch ID: WG1405655-1 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | |
| Solids, Total | 88.3 | 92.3 | % | 4 | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 36-38 QC Batch ID: WG1406120-1 QC Sample: L2036134-01 Client ID: DUP Sample | | | | | |
| Solids, Total | 92.0 | 92.2 | % | 0 | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 31-34,36-38 QC Batch ID: WG1406453-7 QC Sample: L2035280-33 Client ID: 062_LSB-38_2.0-4.0 | | | | | |
| Chromium, Hexavalent | ND | ND | mg/kg | NC | 20 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|---------------|---------------------|
| A | Absent |
| A1 | Absent |
| A2 | Absent |
| A3 | Absent |
| A4 | Absent |
| B | Absent |
| B1 | Absent |
| B2 | Absent |
| B3 | Absent |
| B4 | Absent |
| C2 | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-01A | Vial MeOH preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-01B | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-01C | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-01D | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-01E | Glass 120ml/4oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-01F | Plastic 2oz unpreserved for TS | A | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-01G | Plastic 2oz unpreserved for TS | B | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-01H | Plastic 8oz unpreserved | B | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-01J | Glass 500ml/16oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-02A | Vial MeOH preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-02B | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-02C | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-02D | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.1 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180) |
| L2035280-02E | Glass 120ml/4oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-02F | Plastic 2oz unpreserved for TS | A | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-02G | Plastic 2oz unpreserved for TS | B | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-02H | Plastic 8oz unpreserved | B | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-02J | Glass 500ml/16oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-03A | Vial MeOH preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-03B | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-03C | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-03D | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-03E | Glass 120ml/4oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-03F | Plastic 2oz unpreserved for TS | A | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-03G | Plastic 2oz unpreserved for TS | B | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-03H | Plastic 8oz unpreserved | B | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-03J | Glass 500ml/16oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-04A | Vial MeOH preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-04B | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-04C | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-04D | Plastic 2oz unpreserved for TS | A | NA | | 3.1 | Y | Absent | | TS(7) |

*Values in parentheses indicate holding time in days



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--|
| L2035280-04E | Glass 250ml/8oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-05A | Vial HCl preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L2035280-05B | Vial HCl preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L2035280-05C | Vial HCl preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L2035280-05D | Plastic 250ml unpreserved | B | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-05E | Plastic 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HEXCR-7196(1) |
| L2035280-05F | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.1 | Y | Absent | | SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L2035280-05G | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8081(7) |
| L2035280-05H | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8081(7) |
| L2035280-05J | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2035280-05K | Amber 120ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2035280-05L | Amber 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2035280-05M | Amber 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2035280-05N | Amber 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2035280-05O | Amber 250ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2035280-05P | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HERB-APA(7) |
| L2035280-05Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.1 | Y | Absent | | HERB-APA(7) |
| L2035280-06A | Vial MeOH preserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-06B | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-06C | Vial water preserved | A | NA | | 3.1 | Y | Absent | 28-AUG-20 00:14 | NYTCL-8260HLW(14) |
| L2035280-06D | Plastic 2oz unpreserved for TS | A | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-06E | Glass 250ml/8oz unpreserved | A | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-08A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-08B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-08C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-08D | Plastic 2oz unpreserved for TS | B1 | NA | | 5.2 | Y | Absent | | TS(7) |
| L2035280-08E | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-08F | Metals Only-Glass 60mL/2oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-08G | Glass 120ml/4oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-08H | Plastic 8oz unpreserved | B1 | NA | | 5.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-08I | Glass 500ml/16oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-09A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-09B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-09C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-09D | Plastic 2oz unpreserved for TS | B1 | NA | | 5.2 | Y | Absent | | TS(7) |
| L2035280-09E | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-09F | Metals Only-Glass 60mL/2oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180) |
| L2035280-09G | Glass 120ml/4oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-09H | Plastic 8oz unpreserved | B1 | NA | | 5.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-09I | Glass 500ml/16oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-10A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-10B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-10C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-10D | Plastic 2oz unpreserved for TS | B1 | NA | | 5.2 | Y | Absent | | TS(7) |
| L2035280-10E | Glass 250ml/8oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-11A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-11B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-11C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-11D | Plastic 2oz unpreserved for TS | B1 | NA | | 5.2 | Y | Absent | | TS(7) |
| L2035280-11E | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-11F | Metals Only-Glass 60mL/2oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2035280-11G | Glass 120ml/4oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-11H | Plastic 8oz unpreserved | B1 | NA | | 5.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-11I | Glass 500ml/16oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-12A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-12B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-12C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-12D | Plastic 2oz unpreserved for TS | B1 | NA | | 5.2 | Y | Absent | | TS(7) |
| L2035280-12E | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-12F | Metals Only-Glass 60mL/2oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180) |
| L2035280-12G | Glass 120ml/4oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-12H | Plastic 8oz unpreserved | B1 | NA | | 5.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-12I | Glass 500ml/16oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-13A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-13B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-13C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-13D | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-13E | Glass 250ml/8oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-------------------------------|
| L2035280-14A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-14B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-14C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-14D | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-14E | Glass 250ml/8oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-15A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-15B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-15C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-15D | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-15E | Glass 250ml/8oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-16A | Vial MeOH preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-16B | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-16C | Vial water preserved | A1 | NA | | 4.8 | Y | Absent | 29-AUG-20 05:15 | NYTCL-8260HLW(14) |
| L2035280-16D | Plastic 2oz unpreserved for TS | A1 | NA | | 4.8 | Y | Absent | | TS(7) |
| L2035280-16E | Glass 250ml/8oz unpreserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-17A | Vial HCl preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260(14) |
| L2035280-17B | Vial HCl preserved | A1 | NA | | 4.8 | Y | Absent | | NYTCL-8260(14) |
| L2035280-18A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-18A1 | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-18A2 | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-18B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18B1 | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18B2 | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18C1 | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18C2 | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-18D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-18D1 | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-18D2 | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-18D3 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-18D4 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-18D5 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-18E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-18E1 | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-18E2 | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2035280-18F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-18F1 | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-18F2 | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-18G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-18G1 | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-18G2 | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-18H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-18H1 | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-18H2 | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-19A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-19B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-19C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2035280-19D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-19D1 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-19E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180) |
| L2035280-19F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-19G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-19H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-20A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-20B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-20C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260H(14),NYTCL-8260HLW(14) |
| L2035280-20D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-20E | Glass 250ml/8oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-21A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-21B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-21C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-21D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-21D1 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-21E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-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),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180) |
| L2035280-21F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-21G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-21H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-22A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-22B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-22C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-22D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-22D1 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-22E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180) |
| L2035280-22F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-22G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-22H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-23A | Vial HCl preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L2035280-23B | Vial HCl preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L2035280-23C | Vial HCl preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L2035280-23D | Plastic 250ml unpreserved | C2 | NA | | 2.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-23E | Plastic 250ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | HEXCR-7196(1) |
| L2035280-23F | Plastic 250ml HNO3 preserved | C2 | <2 | <2 | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2035280-23G | Amber 120ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2035280-23H | Amber 120ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2035280-23I | Amber 120ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8081(7) |
| L2035280-23J | Amber 120ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8081(7) |
| L2035280-23K | Amber 250ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2035280-23L | Amber 250ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2035280-23M | Amber 250ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2035280-23N | Amber 250ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2035280-23O | Amber 1000ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | HERB-APA(7) |
| L2035280-23P | Amber 1000ml unpreserved | C2 | 7 | 7 | 2.7 | Y | Absent | | HERB-APA(7) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-24A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-24B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-24C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-24D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-24D1 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-24E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180) |
| L2035280-24F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-24G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-24H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-25A | Vial MeOH preserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-25B | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-25C | Vial water preserved | B2 | NA | | 2.2 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-25D | Plastic 2oz unpreserved for TS | B2 | NA | | 2.2 | Y | Absent | | TS(7) |
| L2035280-25D1 | Plastic 2oz unpreserved for TS | A2 | NA | | 2.4 | Y | Absent | | TS(7) |
| L2035280-25E | Metals Only-Glass 60mL/2oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180) |
| L2035280-25F | Glass 120ml/4oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-25G | Plastic 8oz unpreserved | A2 | NA | | 2.4 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-25H | Glass 500ml/16oz unpreserved | B2 | NA | | 2.2 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-26A | Vial MeOH preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-26B | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-26C | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-26D | Plastic 2oz unpreserved for TS | C2 | NA | | 2.7 | Y | Absent | | TS(7) |

*Values in parentheses indicate holding time in days



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-26E | Glass 250ml/8oz unpreserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-27A | Vial MeOH preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-27B | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-27C | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-27D | Plastic 2oz unpreserved for TS | C2 | NA | | 2.7 | Y | Absent | | TS(7) |
| L2035280-27E | Glass 250ml/8oz unpreserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-28A | Vial MeOH preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-28B | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-28C | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-28D | Plastic 2oz unpreserved for TS | C2 | NA | | 2.7 | Y | Absent | | TS(7) |
| L2035280-28E | Glass 250ml/8oz unpreserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-29A | Vial MeOH preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-29B | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-29C | Vial water preserved | C2 | NA | | 2.7 | Y | Absent | 01-SEP-20 08:10 | NYTCL-8260HLW(14) |
| L2035280-29D | Plastic 2oz unpreserved for TS | C2 | NA | | 2.7 | Y | Absent | | TS(7) |
| L2035280-29E | Glass 500ml/16oz unpreserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),NYTCL-8082(14) |
| L2035280-30A | Vial HCl preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L2035280-30B | Vial HCl preserved | C2 | NA | | 2.7 | Y | Absent | | NYTCL-8260(14) |
| L2035280-31A | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-31B | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-31C | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-31D | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |
| L2035280-31D1 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |
| L2035280-31E | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180) |
| L2035280-31F | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |



Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-31G | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-31H | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-32A | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-32B | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-32C | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-32D | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |
| L2035280-32D1 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |
| L2035280-32E | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180) |
| L2035280-32F | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-32G | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-32H | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33A | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-33A1 | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-33A2 | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-33B | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33B1 | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33B2 | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33C | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33C1 | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33C2 | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-33D | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |
| L2035280-33D1 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |
| L2035280-33D2 | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |
| L2035280-33D3 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |
| L2035280-33D4 | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |

Project Name: 280 WEST 155TH STREET

Lab Number: L2035280

Project Number: 100765102

Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2035280-33D5 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |
| L2035280-33E | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2035280-33E1 | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2035280-33E2 | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2035280-33F | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33F1 | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33F2 | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33G | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-33G1 | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-33G2 | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-33H | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33H1 | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-33H2 | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-34A | Vial MeOH preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-34B | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-34C | Vial water preserved | A3 | NA | | 4.6 | Y | Absent | 02-SEP-20 11:42 | NYTCL-8260HLW(14) |
| L2035280-34D | Plastic 2oz unpreserved for TS | B3 | NA | | 5.7 | Y | Absent | | TS(7) |
| L2035280-34D1 | Plastic 2oz unpreserved for TS | A3 | NA | | 4.6 | Y | Absent | | TS(7) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2035280-34E | Metals Only-Glass 60mL/2oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180) |
| L2035280-34F | Glass 120ml/4oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-34G | Plastic 8oz unpreserved | B3 | NA | | 5.7 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-34H | Glass 500ml/16oz unpreserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-35A | Vial HCl preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2035280-35B | Vial HCl preserved | A3 | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2035280-36A | Vial MeOH preserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-36B | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-36C | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-36D | Metals Only-Glass 60mL/2oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180) |
| L2035280-36E | Glass 120ml/4oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-36F | Plastic 2oz unpreserved for TS | A4 | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-36G | Plastic 2oz unpreserved for TS | B4 | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-36H | Plastic 8oz unpreserved | B4 | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-36J | Glass 500ml/16oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-37A | Vial MeOH preserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-37B | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-37C | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-37D | Metals Only-Glass 60mL/2oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |

*Values in parentheses indicate holding time in days



Project Name: 280 WEST 155TH STREET**Lab Number:** L2035280**Project Number:** 100765102**Report Date:** 09/16/20**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2035280-37E | Glass 120ml/4oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-37F | Plastic 2oz unpreserved for TS | A4 | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-37G | Plastic 2oz unpreserved for TS | B4 | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-37H | Plastic 8oz unpreserved | B4 | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-37J | Glass 500ml/16oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-38A | Vial MeOH preserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8260HLW(14) |
| L2035280-38B | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-38C | Vial water preserved | A4 | NA | | 3.1 | Y | Absent | 03-SEP-20 09:22 | NYTCL-8260HLW(14) |
| L2035280-38D | Metals Only-Glass 60mL/2oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180) |
| L2035280-38E | Glass 120ml/4oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-38F | Plastic 2oz unpreserved for TS | A4 | NA | | 3.1 | Y | Absent | | TS(7) |
| L2035280-38G | Plastic 2oz unpreserved for TS | B4 | NA | | 3.6 | Y | Absent | | TS(7) |
| L2035280-38H | Plastic 8oz unpreserved | B4 | NA | | 3.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2035280-38J | Glass 500ml/16oz unpreserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30) |
| L2035280-39A | Vial HCl preserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |
| L2035280-39B | Vial HCl preserved | A4 | NA | | 3.1 | Y | Absent | | NYTCL-8260(14) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:09162020:49
Lab Number: L2035280
Report Date: 09/16/20

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 |
| Perfluoronanesulfonic 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-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid | 9Cl-PF3ONS | 756426-58-1 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 280 WEST 155TH STREET
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- 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. 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.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: 280 WEST 155TH STREET
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Lab Number: L2035280
Report Date: 09/16/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2035280
Report Date: 09/16/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 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, SM4500CI-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.


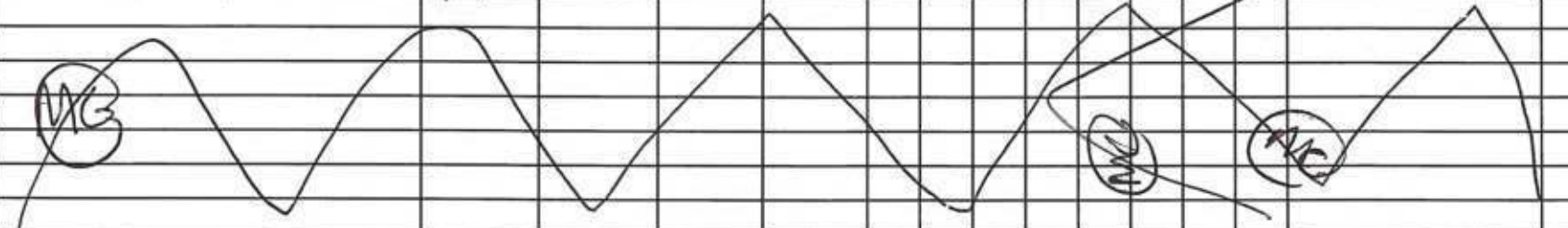
SM2340B


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


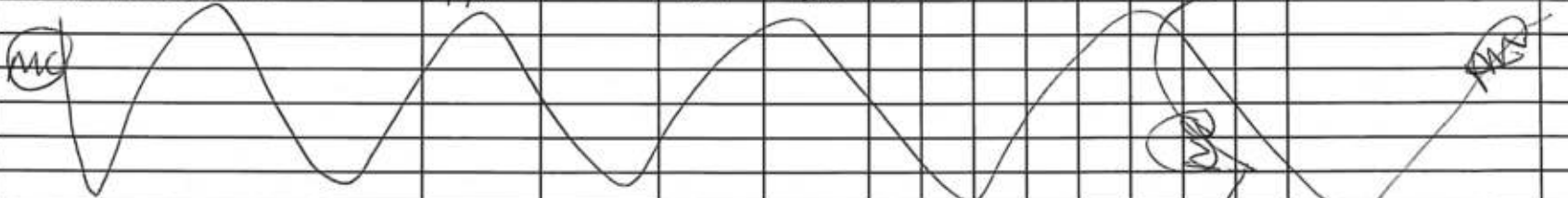
| | | | | | | | | | | | |
|---|--|---|-----------------|---|--------------------------------|--|-----------------|---|----------|--|--------------------------|
|  NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 | NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288 | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page of | Date Rec'd in Lab 08/27/20 | ALPHA Job # L2035280 | | | | | | |
| | | Project Information Project Name: 280 West 155th Street Project Location: 280 West 155th St., Manhattan, NY Project # 100765102 (Use Project name as Project #) <input type="checkbox"/> | | Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: akritzer@langan.com | | Project Manager: Ben Rao ALPHAQuote #: | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | |
| Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | ANALYSIS TOL VOCs TAL METALS, XLR STANDBY, P-STRIDE, HERVICID, 1,1-DICHLORO PFAS SVOC, PCB | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) | | Total Bottle | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> | | Other project specific requirements/comments: TAL Metals Please specify Metals or TAL. | | Sample Specific Comments | | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TOL VOCs | TAL METALS, XLR | STANDBY, P-STRIDE, HERVICID, 1,1-DICHLORO | PFAS | SVOC, PCB | Sample Specific Comments |
| 35280-01 | 030-LSB-44-3.0-5.0 | 8/27/20 | 1100 | S | mb | X | X | X | X | X | |
| -02 | 031-LSB-44-12.0-14.0 | 8/27/20 | 1105 | S | mb | X | X | X | X | X | |
| -03 | 032-DUP-1 | 8/27/20 | 1110 | S | mb | X | X | X | X | X | |
| -04 | 033-LSB-49-9.5-11.5 | 8/27/20 | 1240 | S | mb | X | | | | X | HOLD |
| -05 | 034-FB-08272020 | 8/27/20 | 1200 | AQ | mb | X | X | X | X | X | |
| -06 | 035-LSB-52-9.5-11.5 | 8/27/20 | 1300 | S | mb | X | | | | X | RUN |
| -07 | 036-TB-1 | 8/27/20 | - | AQ | mb | X | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type V A A P A | | Preservative D/F - - - - | | 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.) | |
| Relinquished By: Mohamed / Langan | | Date/Time: 8/27/2020 | | Received By: [Signature] | | Date/Time: 8/27/20 13:30 | | | | | |
| Relinquished By: [Signature] | | Date/Time: 8/27/20 14:45 | | Received By: [Signature] | | Date/Time: 8/27/20 16:40 | | | | | |
| Relinquished By: [Signature] | | Date/Time: 8/27/20 21:28 | | Received By: [Signature] | | Date/Time: 8/27/20 21:28 | | | | | |

| | | | | | | | | | | | | |
|--|--|---|----------------|--|-------------------------|---|-----------------|------------------------------------|------|--|--------------------------|--------------|
|  NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 | NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288 | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1 of 1 | Date Rec'd in Lab 8/28/20 | ALPHA Job # 12035280 | | | | | | | |
| | | Project Information Project Name: 280 West 155th Street Project Location: 280 West 155th Street, Mkinhattan, NY Project # 100765102 (Use Project name as Project #) <input type="checkbox"/> | | Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: AKritzer@langan.com | | Project Manager: Ben Rio ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Add to SDG L2035280 Please specify Metals or TAL. TAL metals | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) | | | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | TCL VOCs | TAL Metals, XCR | Pesticide, Herbicide, H-Dioxane | PFAS | SVOCs, PCBs | Sample Specific Comments | Total Bottle |
| 05280-08 | 037-LSB-43-2.5-4.5 | 8/28/20 | 0826 | S | mb | X | X | X | X | X | | |
| 07 | 038-LSB-43-12.0-14.0 | 8/28/20 | 0825 | S | MB | X | X | X | X | X | | |
| 10 | 039-LSB-48-8.0-10.0 | 8/28/20 | 1100 | S | MG | X | | | | X | | |
| 11 | 040-LSB-42-1.5-3.5 | 8/28/20 | 1115 | S | MG | X | X | X | X | X | | |
| 12 | 041-LSB-42-12.0-14.0 | 8/28/20 | 1120 | S | MG | X | X | X | X | X | | |
| 13 | 042-LSB-50-9.5-11.5 | 8/28/20 | 0900 | S | mb | X | | | | X | HOLD | |
| 14 | 043-LSB-53-9.5-11.5 | 8/28/20 | 1145 | S | MG | X | | | | X | HOLD | |
| 15 | 044-LSB-42-7.5-9.5 | 8/28/20 | 1125 | S | MG | X | | | | X | HOLD | |
| 16 | 045-LSB-54-9.5-11.5 | 8/28/20 | 1200 | S | MG | X | | | | X | RUN | |
| 17 | 046-TB-08282026 | 8/28/20 | - | AA | mb | X | | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type V A A P A | | Preservative B/F - - - - | | 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.) | | |
| | | Relinquished By: [Signature] / Langan 8/28/20 1330 | | Date/Time 8/28/20 1330 | | Received By: [Signature] MG KL | | Date/Time 8/28/20 1310 | | | | |
| | | [Signature] MG KL | | 8/28/20 1930 | | [Signature] AAL | | 8/28/20 20:45 | | | | |
| | | [Signature] AAL | | 8/28/20 23:55 | | | | | | | | |

| | | | | | | | | | | | |
|---|----------------------------------|--|--|--|---|--|--------------------------|-----------------------------|----|--|--|
|  ALPHA <small>LABORATORY</small> | NEW YORK CHAIN OF CUSTODY | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1 of 2 | Date Rec'd in Lab 8/31/20 | ALPHA Job # LAO 35280 | | | | | | |
| | | 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 | Project Information Project Name: 280 west 155th St. Project Location: 280 west 155th St., Manhattan, NY Project # 100765102 | Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> Other | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO# | | | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: akritzer@langan.com | | (Use Project name as Project #) <input type="checkbox"/> Project Manager: Ben Rao ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | Total Bottles | | | | | |
| Other project specific requirements/comments: ms/msd - extra volume collected *Extra volume Add to SDG L2035280 Please specify Metals or TAL. TAL METALS | | Sample Specific Comments | | | | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date Time | | Sample Matrix | Sampler's Initials | TEL VOCs TAL Metals, XCR Pesticide, Herbicide, 1,4-Dioxane PFAS SVOC, PCB | Sample Specific Comments | | | | |
| 35280-0118 | 047_LSB-41-4.0-6.0* | 8/31/20 | 0800 | S | MG | X X X X X | | | 9 | | |
| -19 | 048_LSB-41-12.0-14.0 | 8/31/20 | 0810 | S | MG | X X X X X | | | 9 | | |
| -20 | 049_LSB-47-8.5-10.5 | 8/31/20 | 1330 | S | MB | X | | HOLD | 5 | | |
| -21 | 050_LSB-37-1.0-3.0 | 8/31/20 | 1115 | S | mb | X X X X X | | | 9 | | |
| -22 | 051_LSB-37-12.0-14.0 | 8/31/20 | 1120 | S | mb | X X X X X | | | 9 | | |
| -23 | 052_FB-08312020 | 8/31/20 | 1100 | AQ | mb | X X X X X | | | 16 | | |
| -24 | 053_LSB-40-1.0-3.0 | 8/31/20 | 1145 | S | mb | X X X X X | | | 9 | | |
| -25 | 054_LSB-40-12.0-14.0 | 8/31/20 | 1150 | S | mb | X X X X X | | | 9 | | |
| -26 | 055_LSB-46-6.0-8.0 | 8/31/20 | 1350 | S | MG | X | | RUN | 5 | | |
| -27 | 056_LSB-45-7.5-9.5 | 8/31/20 | 1400 | S | mb | X | | RUN | 5 | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type V A A P A | | Preservative B/F - - - - | | 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.) | |
| Relinquished By: | | Date/Time | | Received By: | | Date/Time | | | | | |
| Melly [Signature] / Langan | | 8/31/20 1430 | | [Signature] (AA) | | 8/31/20 1430 | | | | | |
| [Signature] (AA) | | 8/31/20 1600 | | [Signature] (AA) | | 8/31/20 1600 | | | | | |
| Paul Mappella | | 8/31/20 2000 | | [Signature] | | 8/31/20 2000 | | | | | |
| [Signature] | | 8/31/20 2200 | | William Melner | | 8/31/20 2200 | | | | | |

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|---|--|---|-----------------------|--|--------------------------------|---|---|--|--|--|--|--|------|---|
|  Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 | NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288 | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 2 of 2 | Date Rec'd in Lab 8/31/20 | ALPHA Job # L2035280 | | | | | | | | | |
| | | Project Information Project Name: 280 West 155th St. Project Location: 280 West 155th St., Manhattan Project # 100765102 | | Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | | | | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4900 Email: a.kritzer@langan.com | | (Use Project name as Project #) <input type="checkbox"/> Project Manager: Ben Rao ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) | | | | | | | | | | |
| Other project specific requirements/comments: TAL Metals * mg/mso - extra volume collected Add to SDG L2035280 Please specify Metals or TAL. | | TLL VOC SVOC, PCB | | Total Bottles | | | | | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date Time | | Sample Matrix | Sampler's Initials | | | | | | | | | |
| 35280-28 | 057_LSB-41-7.5-9.5 | 8/31/20 | 1340 | S | ML | X | X | | | | | | HOLD | 5 |
| -29 | 058_LSB-40-6.0-8.0 | 8/31/20 | 1410 | S | MG | X | X | | | | | | HOLD | 5 |
| -30 | 059_TB-08312020 | 8/31/20 | - | AO | MG | X | | | | | | | | 2 |
|  | | | | | | | | | | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type √ A Preservative B/E - | | 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.) | | | | | | |
| Relinquished By: | | Date/Time | | Received By: | | Date/Time | | | | | | | | |
| [Signature] | | 8/31/20 1430 | | [Signature] | | 8/31/20 1430 | | | | | | | | |
| [Signature] | | 8/31/20 1600 | | [Signature] | | 8/31/20 1643 | | | | | | | | |
| [Signature] | | 8/31/20 2000 | | [Signature] | | 8/31/20 2200 | | | | | | | | |

|  NEW YORK CHAIN OF CUSTODY | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1 of 1 | Date Rec'd in Lab 9/1/20 | ALPHA Job # L2035280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|-----------|--|---|------------------|--------------------|--------------|-----------------|-----------------------------------|-----------------------|----------------------|--------------------------|-------------------------|-----------------------|-----------------|-----------------------------------|--------------------|---------------------|--------------------------|---------------------|----|---|---|---|---|---|--|---|-----|----------------------|--------|------|---|----|---|---|---|---|---|--|---|-----|---------------------|--------|------|---|----|---|---|---|---|---|--|---|-----|----------------------|--------|------|---|----|---|---|---|---|---|--|---|-----|-----------------|--------|---|----|----|---|--|--|--|--|--|---|--|--|--|--|
| | 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 | Project Information Project Name: <u>280 West 155th Street</u> Project Location: <u>280 West 155th St. Manhattan, NY</u> Project # <u>100765102</u> (Use Project name as Project #) <input type="checkbox"/> | | | Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Client Information Client: <u>Langan</u> Address: <u>300 Kimball Dr.</u> <u>Parsippany, NJ</u> Phone: <u>973-560-4900</u> Fax: <u>973-560-4901</u> Email: <u>AKritzer@langan.com</u> | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other project specific requirements/comments: *Additional volume for ms/msd Add to SDG L2035280 Please specify Metals or TAL. <u>TAL Metals</u> | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TLL VOGS</th> <th rowspan="2">TAL Metals, XCR</th> <th rowspan="2">Pesticide, Herbicide, 1,4-Dioxane</th> <th rowspan="2">PFAS</th> <th rowspan="2">SVOC, PCB</th> <th rowspan="2">Sample Specific Comments</th> <th rowspan="2" style="writing-mode: vertical-rl; text-orientation: mixed;">Total Bottles</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>35280-31</td> <td>060-LSB-36-1.0-3.0</td> <td>9/1/20</td> <td>0900</td> <td>S</td> <td>mb</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>9</td> </tr> <tr> <td>-32</td> <td>061-LSB-36-12.0-14.0</td> <td>9/1/20</td> <td>0910</td> <td>S</td> <td>mb</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>9</td> </tr> <tr> <td>-33</td> <td>062-LSB-38-2.0-4.0*</td> <td>9/1/20</td> <td>1020</td> <td>S</td> <td>mb</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>9</td> </tr> <tr> <td>-34</td> <td>063-LSB-38-12.0-14.0</td> <td>9/1/20</td> <td>1030</td> <td>S</td> <td>mb</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>9</td> </tr> <tr> <td>-35</td> <td>064-TB-09012020</td> <td>9/1/20</td> <td>—</td> <td>AQ</td> <td>mb</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> </tbody> </table> | | ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | TLL VOGS | TAL Metals, XCR | Pesticide, Herbicide, 1,4-Dioxane | PFAS | SVOC, PCB | Sample Specific Comments | Total Bottles | Date | Time | 35280-31 | 060-LSB-36-1.0-3.0 | 9/1/20 | 0900 | S | mb | X | X | X | X | X | | 9 | -32 | 061-LSB-36-12.0-14.0 | 9/1/20 | 0910 | S | mb | X | X | X | X | X | | 9 | -33 | 062-LSB-38-2.0-4.0* | 9/1/20 | 1020 | S | mb | X | X | X | X | X | | 9 | -34 | 063-LSB-38-12.0-14.0 | 9/1/20 | 1030 | S | mb | X | X | X | X | X | | 9 | -35 | 064-TB-09012020 | 9/1/20 | — | AQ | mb | X | | | | | | 2 | Container Type: <u>V A A P A</u> Preservative: <u>F/B - - - -</u> | | 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.) | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | | | Sample Matrix | Sampler's Initials | | | | | | | | | | TLL VOGS | TAL Metals, XCR | Pesticide, Herbicide, 1,4-Dioxane | PFAS | SVOC, PCB | Sample Specific Comments | Total Bottles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35280-31 | 060-LSB-36-1.0-3.0 | 9/1/20 | 0900 | S | mb | X | X | X | X | X | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -32 | 061-LSB-36-12.0-14.0 | 9/1/20 | 0910 | S | mb | X | X | X | X | X | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -33 | 062-LSB-38-2.0-4.0* | 9/1/20 | 1020 | S | mb | X | X | X | X | X | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -34 | 063-LSB-38-12.0-14.0 | 9/1/20 | 1030 | S | mb | X | X | X | X | X | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -35 | 064-TB-09012020 | 9/1/20 | — | AQ | mb | X | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Relinquished By:</th> <th>Date/Time</th> <th>Received By:</th> <th>Date/Time</th> </tr> </thead> <tbody> <tr> <td><u>Mary Jane Langan</u></td> <td><u>9/1/2020 12:30</u></td> <td><u>MATONDA (AAL)</u></td> <td><u>9/1/2020 12:30</u></td> </tr> <tr> <td><u>A. MATONDA (AAL)</u></td> <td><u>9/1/2020 19:45</u></td> <td><u>J. BLU</u></td> <td><u>9/1/20 20:00</u></td> </tr> <tr> <td><u>J. BLU AAL</u></td> <td><u>9/1/20 23:30</u></td> <td></td> <td><u>9/1/20 23:30</u></td> </tr> </tbody> </table> | | Relinquished By: | Date/Time | Received By: | Date/Time | <u>Mary Jane Langan</u> | <u>9/1/2020 12:30</u> | <u>MATONDA (AAL)</u> | <u>9/1/2020 12:30</u> | <u>A. MATONDA (AAL)</u> | <u>9/1/2020 19:45</u> | <u>J. BLU</u> | <u>9/1/20 20:00</u> | <u>J. BLU AAL</u> | <u>9/1/20 23:30</u> | | <u>9/1/20 23:30</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | Date/Time | Received By: | Date/Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Mary Jane Langan</u> | <u>9/1/2020 12:30</u> | <u>MATONDA (AAL)</u> | <u>9/1/2020 12:30</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>A. MATONDA (AAL)</u> | <u>9/1/2020 19:45</u> | <u>J. BLU</u> | <u>9/1/20 20:00</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>J. BLU AAL</u> | <u>9/1/20 23:30</u> | | <u>9/1/20 23:30</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

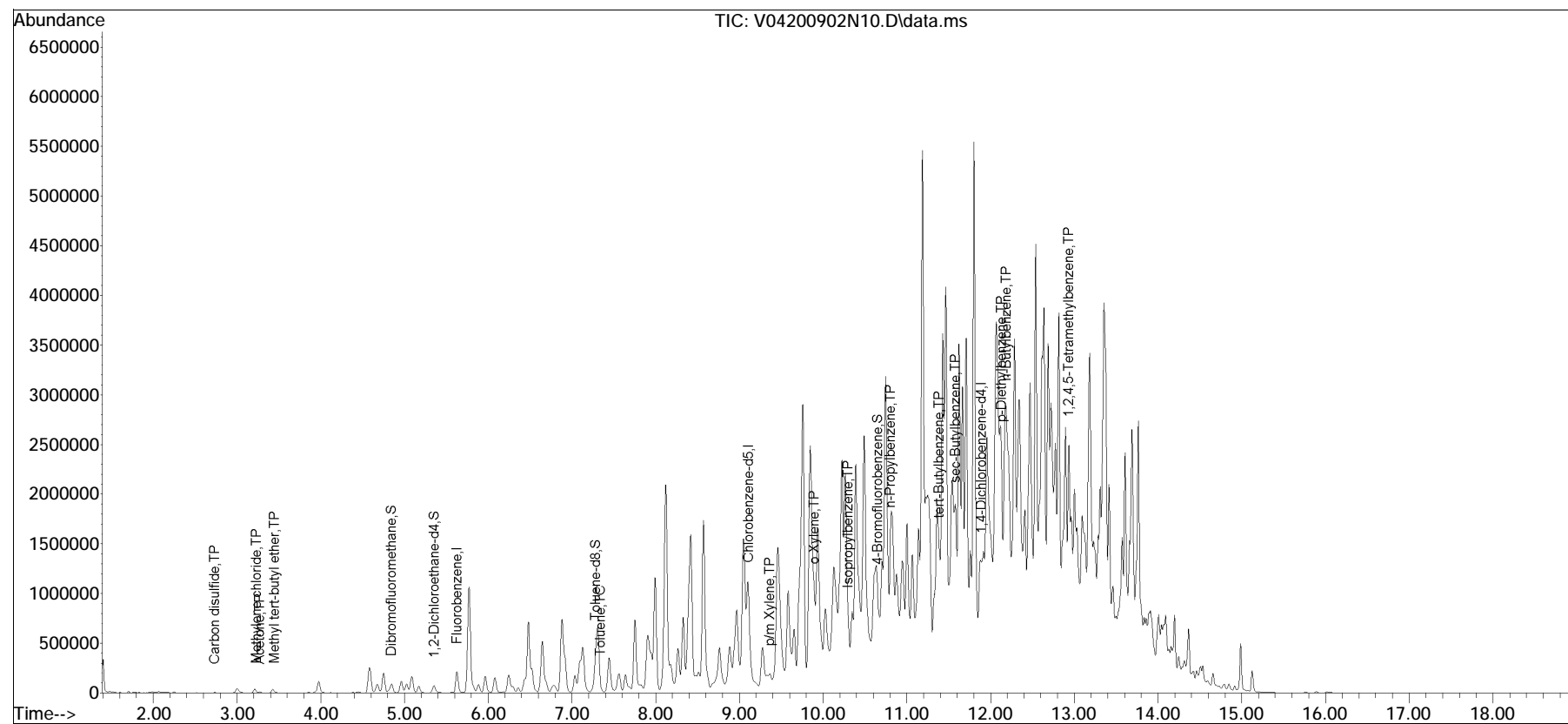
| | | | | | | | | | | | | |
|---|--|--|-----------------|--|--------------------|---|-----------------|---|------|--|--------------------------|---------------|
|  | NEW YORK CHAIN OF CUSTODY | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page | Date Rec'd in Lab | ALPHA Job # | | | | | | | |
| | | | of | 09/03/20 | L2035280 | | | | | | | |
| 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 | Project Information Project Name: 280 West 155th St. Project Location: 280 West 155th St. Project # 100765102 (Use Project name as Project #) <input type="checkbox"/> | | Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | | | | | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: akritzer@langan.com | | Regulatory Requirement <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | | | | | | |
| Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | | | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Specific Comments | | | | | | | | |
| Other project specific requirements/comments: Add to SDG L2035280. | | Please specify Metals or TAL. TAL Metals | | Total Bottles | | | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TCL VOC | TAL Metals, XCR | pesticide, herbicide, 1,4-dioxane | PFAS | SVOC, PCB | Sample Specific Comments | Total Bottles |
| 35280-36 | 065-LSB-39-10-3.0 | 9/2/20 | 1115 | S | mb | X | X | X | X | X | | 9 |
| -037 | 066-LSB-39-12.0-14.0 | 9/2/20 | 1120 | S | mb | X | X | X | X | X | | 9 |
| -38 | 067-DUP-2 | 9/2/20 | 1125 | S | mb | X | X | X | X | X | | 9 |
| -39 | 068-TB-09022020 | 9/2/20 | - | AR | mb | X | | | | | | 2 |
|  | | | | | | | | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type V A A P A | | Preservative P/B - - - - | | 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.) | | |
| Relinquished By: | | Date/Time | | Received By: | | Date/Time | | | | | | |
| Mansfield / Langan | | 9/2/20 1315 | | Mansfield / DAL | | 9/2/20 1315 | | | | | | |
| Mansfield / DAL | | 9/2/20 1900 | | Mansfield / DAL | | 9/2/20 2200 | | | | | | |
| Mansfield / DAL | | 9/5/20 0005 | | Mansfield / DAL | | 9/5/20 0005 | | | | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200902N\
Data File : V04200902N10.D
Acq On : 2 Sep 2020 9:47 pm
Operator : VOA104:JC
Sample : 12035280-12,31,6.59,5,,b
Misc : WG1405740,ICAL16845
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 07:57:22 2020
Quant Method : I:\VOLATILES\VOA104\2020\200902N\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00902N\V04200902N01.D•

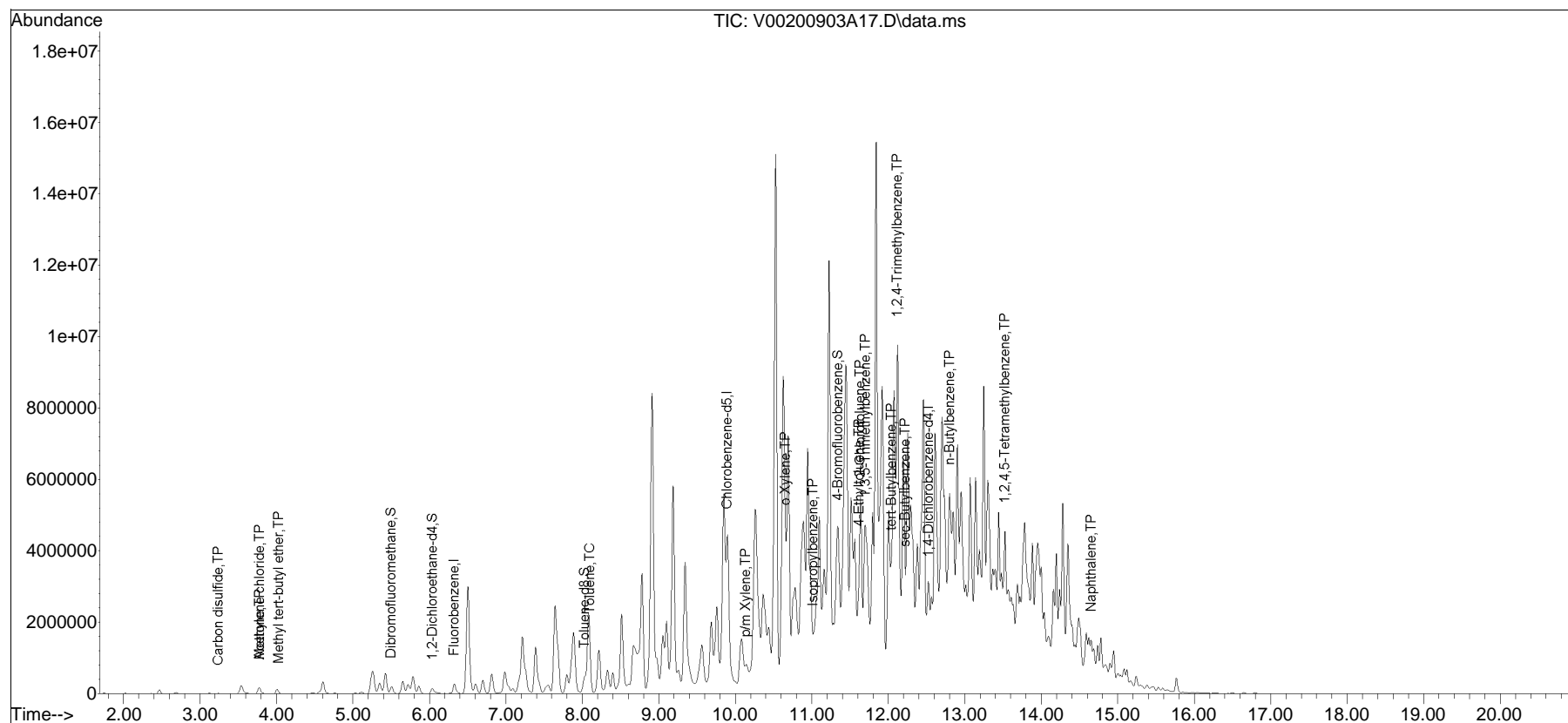


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2020\200903A\
Data File : V00200903A17.D
Acq On : 3 Sep 2020 12:35 pm
Operator : VOA100:MV
Sample : 12035280-20,31,6.57,5,,b
Misc : WG1406233,ICAL17097
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 13:01:02 2020
Quant Method : I:\VOLATILES\VOA100\2020\200903A\V100_200901P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Sep 02 08:01:31 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00903A\V00200903A01.D•

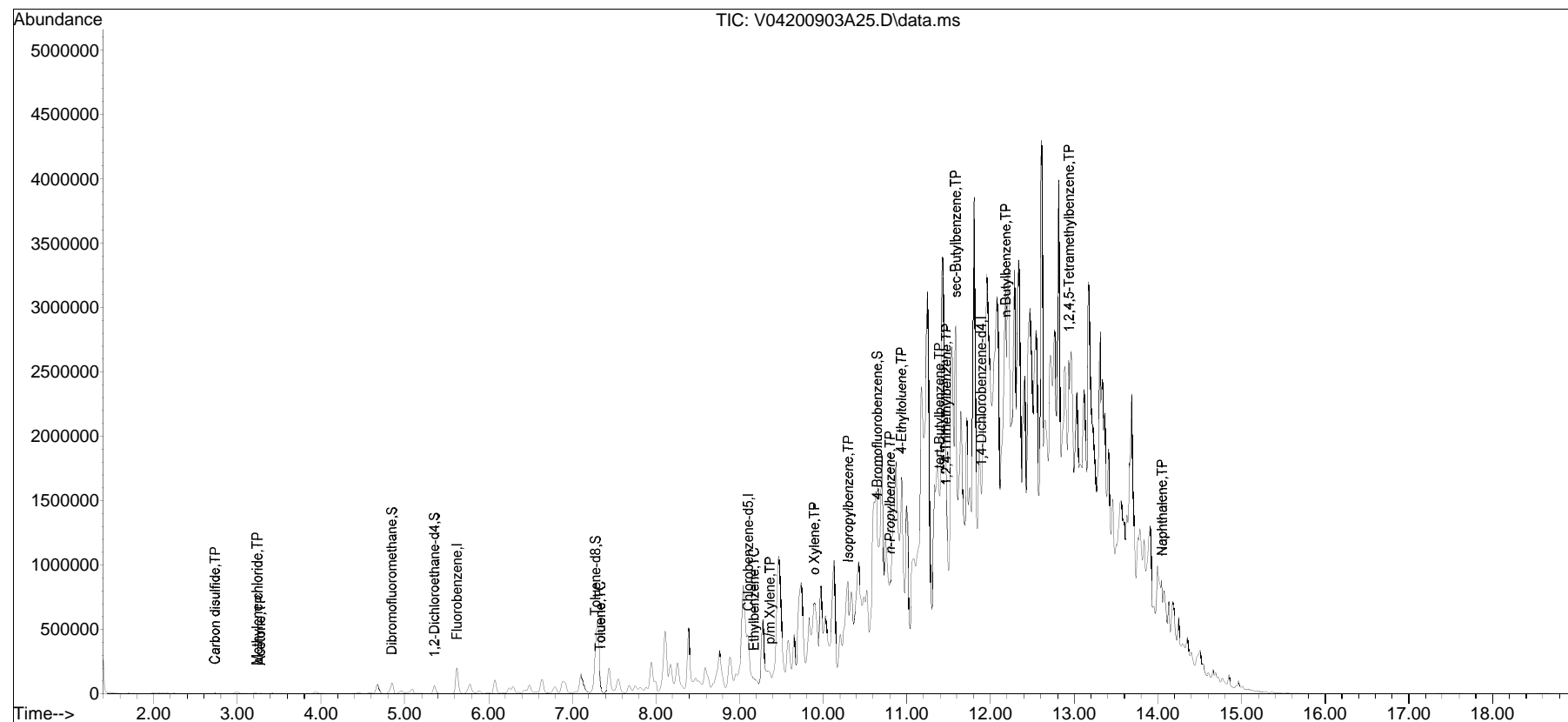


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200903A\
 Data File : V04200903A25.D
 Acq On : 3 Sep 2020 16:10
 Operator : VOA104:KJD
 Sample : 12035280-28,31,5.37,5,,b
 Misc : WG1406102,ICAL16845
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 03 20:12:05 2020
 Quant Method : I:\VOLATILES\VOA104\2020\200903A\V104_200602B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Jun 02 13:53:50 2020
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00903A\V04200903A01.D•





ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2037563 |
| Client: | Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172 |
| ATTN: | Allyson Kritzer |
| Phone: | (973) 560-4289 |
| Project Name: | 280 WEST 155TH ST |
| Project Number: | 100765102 |
| Report Date: | 09/23/20 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|-----------------|-----------|----------------------|----------------------------------|----------------------|--------------|
| L2037563-01 | 073_LMW-1 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 08:25 | 09/10/20 |
| L2037563-02 | 075_LMW-6 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 10:20 | 09/10/20 |
| L2037563-03 | 076_LMW-7 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 11:55 | 09/10/20 |
| L2037563-04 | 074_DUP-1 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 08:30 | 09/10/20 |
| L2037563-05 | 078_FB-1 | FIELD BLANK | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 14:45 | 09/10/20 |
| L2037563-06 | 079_TB-1 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST, MANHATTAN, NY | 09/10/20 00:00 | 09/10/20 |
| L2037563-07 | 080_LMW-9 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/11/20 10:05 | 09/11/20 |
| L2037563-08 | 081_LMW-4 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/11/20 12:05 | 09/11/20 |
| L2037563-09 | 082_LMW-8 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/11/20 13:40 | 09/11/20 |
| L2037563-10 | 083_LMW-3 | WATER | 280 WEST 155TH ST, MANHATTAN, NY | 09/11/20 15:10 | 09/11/20 |
| L2037563-11 | 084_TB-2 | TRIP BLANK (AQUEOUS) | 280 WEST 155TH ST, MANHATTAN, NY | 09/11/20 00:00 | 09/11/20 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

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: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Case Narrative (continued)

Report Submission

September 23, 2020: This final report includes the results of all requested analyses.

September 21, 2020: This is a preliminary report.

September 17, 2020: 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.

Semivolatile Organics

The WG1410143-2 LCS recovery, associated with L2037563-05, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG1410449-3 LCSD recovery, associated with L2037563-07, -08, and -09, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM

The WG1410144-1 Method Blank, associated with L2037563-05, has a concentration above the reporting limit for pyrene. Since the sample was non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.


Total Metals

The WG1410063-3 MS recovery for calcium (60%), performed on L2037563-07, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1410063-3 MS recovery, performed on L2037563-07, is outside the acceptance criteria for sodium (69%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/23/20

ORGANICS

VOLATILES

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/15/20 10:21
Analyst: AJK

| 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 |
| 1,1,1,2,2-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 | 1.0 | J | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-01

Date Collected: 09/10/20 08:25

Client ID: 073_LMW-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab | | | | | | |
| Trichloroethene | 0.41 | J | 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
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 | 104 | | 70-130 |
| Toluene-d8 | 112 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 113 | | 70-130 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/15/20 10:43
Analyst: AJK

| 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 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-02

Date Collected: 09/10/20 10:20

Client ID: 075_LMW-6

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
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 | 101 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-03
 Client ID: 076_LMW-7
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/15/20 11:05
 Analyst: AJK

| 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03

Date Collected: 09/10/20 11:55

Client ID: 076_LMW-7

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
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 | 99 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/15/20 11:27
Analyst: AJK

| 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 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
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 | 101 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8260C
 Analytical Date: 09/15/20 11:49
 Analyst: AJK

| 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
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 | 99 | | 70-130 |
| Toluene-d8 | 89 | | 70-130 |
| 4-Bromofluorobenzene | 107 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-06
 Client ID: 079_TB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 00:00
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
 Analytical Method: 1,8260C
 Analytical Date: 09/15/20 12:11
 Analyst: AJK

| 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 |
| 1,1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-06

Date Collected: 09/10/20 00:00

Client ID: 079_TB-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-06
Client ID: 079_TB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 00:00
Date Received: 09/10/20
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 | 105 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/16/20 20:58
Analyst: NLK

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



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 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 | 12 | | 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
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 | 113 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 117 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/16/20 21:20
 Analyst: NLK

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



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08

Date Collected: 09/11/20 12:05

Client ID: 081_LMW-4

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 5.7 | | 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
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 | 109 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 121 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/16/20 21:42
 Analyst: NLK

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

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09

Date Collected: 09/11/20 13:40

Client ID: 082_LMW-8

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 1.8 | J | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 1.5 | J | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | 1.8 | J | ug/l | 2.5 | 0.70 | 1 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
Client ID: 082_LMW-8
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
Date Received: 09/11/20
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 | 107 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 112 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/16/20 22:04
 Analyst: NLK

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

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 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 | 18 | | 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
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 | 112 | | 70-130 |
| Toluene-d8 | 97 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 115 | | 70-130 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-11
 Client ID: 084_TB-2
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 00:00
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
 Analytical Method: 1,8260C
 Analytical Date: 09/16/20 20:14
 Analyst: NLK

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

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-11

Date Collected: 09/11/20 00:00

Client ID: 084_TB-2

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-11
Client ID: 084_TB-2
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 00:00
Date Received: 09/11/20
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 | 110 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 113 | | 70-130 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1410014-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1410014-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/15/20 09:15
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1410014-5 | | | | | |
| 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 | 101 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 110 | | 70-130 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 18:46
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-11 Batch: WG1411227-5 | | | | | |
| 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 | 0.19 | J | ug/l | 0.50 | 0.18 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 09/16/20 18:46
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-11 Batch: WG1411227-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 18:46
Analyst: AJK

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-11 Batch: WG1411227-5 | | | | | |
| 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 | 112 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1410014-3 WG1410014-4 | | | | | | | | |
| Methylene chloride | 92 | | 93 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 96 | | 97 | | 70-130 | 1 | | 20 |
| Chloroform | 93 | | 93 | | 70-130 | 0 | | 20 |
| Carbon tetrachloride | 100 | | 98 | | 63-132 | 2 | | 20 |
| 1,2-Dichloropropane | 86 | | 90 | | 70-130 | 5 | | 20 |
| Dibromochloromethane | 91 | | 88 | | 63-130 | 3 | | 20 |
| 1,1,2-Trichloroethane | 82 | | 83 | | 70-130 | 1 | | 20 |
| Tetrachloroethene | 82 | | 80 | | 70-130 | 2 | | 20 |
| Chlorobenzene | 88 | | 88 | | 75-130 | 0 | | 20 |
| Trichlorofluoromethane | 110 | | 110 | | 62-150 | 0 | | 20 |
| 1,2-Dichloroethane | 88 | | 89 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 91 | | 93 | | 67-130 | 2 | | 20 |
| Bromodichloromethane | 88 | | 88 | | 67-130 | 0 | | 20 |
| trans-1,3-Dichloropropene | 81 | | 81 | | 70-130 | 0 | | 20 |
| cis-1,3-Dichloropropene | 82 | | 84 | | 70-130 | 2 | | 20 |
| 1,1-Dichloropropene | 86 | | 86 | | 70-130 | 0 | | 20 |
| Bromoform | 90 | | 87 | | 54-136 | 3 | | 20 |
| 1,1,2,2-Tetrachloroethane | 80 | | 80 | | 67-130 | 0 | | 20 |
| Benzene | 88 | | 89 | | 70-130 | 1 | | 20 |
| Toluene | 88 | | 86 | | 70-130 | 2 | | 20 |
| Ethylbenzene | 89 | | 87 | | 70-130 | 2 | | 20 |
| Chloromethane | 110 | | 110 | | 64-130 | 0 | | 20 |
| Bromomethane | 130 | | 130 | | 39-139 | 0 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1410014-3 WG1410014-4 | | | | | | | | |
| Vinyl chloride | 95 | | 94 | | 55-140 | 1 | | 20 |
| Chloroethane | 130 | | 120 | | 55-138 | 8 | | 20 |
| 1,1-Dichloroethene | 90 | | 93 | | 61-145 | 3 | | 20 |
| trans-1,2-Dichloroethene | 92 | | 95 | | 70-130 | 3 | | 20 |
| Trichloroethene | 91 | | 92 | | 70-130 | 1 | | 20 |
| 1,2-Dichlorobenzene | 91 | | 87 | | 70-130 | 4 | | 20 |
| 1,3-Dichlorobenzene | 94 | | 89 | | 70-130 | 5 | | 20 |
| 1,4-Dichlorobenzene | 90 | | 91 | | 70-130 | 1 | | 20 |
| Methyl tert butyl ether | 76 | | 80 | | 63-130 | 5 | | 20 |
| p/m-Xylene | 95 | | 90 | | 70-130 | 5 | | 20 |
| o-Xylene | 90 | | 90 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 93 | | 90 | | 70-130 | 3 | | 20 |
| Dibromomethane | 81 | | 85 | | 70-130 | 5 | | 20 |
| 1,2,3-Trichloropropane | 77 | | 76 | | 64-130 | 1 | | 20 |
| Acrylonitrile | 74 | | 79 | | 70-130 | 7 | | 20 |
| Styrene | 90 | | 90 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 120 | | 110 | | 36-147 | 9 | | 20 |
| Acetone | 71 | | 74 | | 58-148 | 4 | | 20 |
| Carbon disulfide | 90 | | 90 | | 51-130 | 0 | | 20 |
| 2-Butanone | 86 | | 89 | | 63-138 | 3 | | 20 |
| Vinyl acetate | 63 | Q | 68 | Q | 70-130 | 8 | | 20 |
| 4-Methyl-2-pentanone | 71 | | 71 | | 59-130 | 0 | | 20 |
| 2-Hexanone | 61 | | 64 | | 57-130 | 5 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1410014-3 WG1410014-4 | | | | | | | | |
| Bromochloromethane | 91 | | 93 | | 70-130 | 2 | | 20 |
| 2,2-Dichloropropane | 99 | | 98 | | 63-133 | 1 | | 20 |
| 1,2-Dibromoethane | 80 | | 81 | | 70-130 | 1 | | 20 |
| 1,3-Dichloropropane | 80 | | 81 | | 70-130 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 91 | | 90 | | 64-130 | 1 | | 20 |
| Bromobenzene | 91 | | 87 | | 70-130 | 4 | | 20 |
| n-Butylbenzene | 93 | | 92 | | 53-136 | 1 | | 20 |
| sec-Butylbenzene | 93 | | 90 | | 70-130 | 3 | | 20 |
| tert-Butylbenzene | 84 | | 82 | | 70-130 | 2 | | 20 |
| o-Chlorotoluene | 93 | | 90 | | 70-130 | 3 | | 20 |
| p-Chlorotoluene | 92 | | 92 | | 70-130 | 0 | | 20 |
| 1,2-Dibromo-3-chloropropane | 74 | | 73 | | 41-144 | 1 | | 20 |
| Hexachlorobutadiene | 95 | | 91 | | 63-130 | 4 | | 20 |
| Isopropylbenzene | 94 | | 90 | | 70-130 | 4 | | 20 |
| p-Isopropyltoluene | 94 | | 94 | | 70-130 | 0 | | 20 |
| Naphthalene | 72 | | 74 | | 70-130 | 3 | | 20 |
| n-Propylbenzene | 94 | | 90 | | 69-130 | 4 | | 20 |
| 1,2,3-Trichlorobenzene | 82 | | 79 | | 70-130 | 4 | | 20 |
| 1,2,4-Trichlorobenzene | 84 | | 82 | | 70-130 | 2 | | 20 |
| 1,3,5-Trimethylbenzene | 96 | | 91 | | 64-130 | 5 | | 20 |
| 1,2,4-Trimethylbenzene | 95 | | 91 | | 70-130 | 4 | | 20 |
| 1,4-Dioxane | 82 | | 76 | | 56-162 | 8 | | 20 |
| p-Diethylbenzene | 93 | | 87 | | 70-130 | 7 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | RPD | |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
| | %Recovery | Qual | %Recovery | Qual | | | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1410014-3 WG1410014-4 | | | | | | | | |
| p-Ethyltoluene | 95 | | 91 | | 70-130 | 4 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 91 | | 90 | | 70-130 | 1 | | 20 |
| Ethyl ether | 83 | | 87 | | 59-134 | 5 | | 20 |
| trans-1,4-Dichloro-2-butene | 69 | Q | 75 | | 70-130 | 8 | | 20 |

| Surrogate | LCS | | LCSD | | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| 1,2-Dichloroethane-d4 | 94 | | 99 | | 70-130 |
| Toluene-d8 | 98 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 98 | | 70-130 |
| Dibromofluoromethane | 99 | | 103 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 Batch: WG1411227-3 WG1411227-4 | | | | | | | | |
| Methylene chloride | 83 | | 83 | | 70-130 | 0 | | 20 |
| 1,1-Dichloroethane | 89 | | 87 | | 70-130 | 2 | | 20 |
| Chloroform | 90 | | 84 | | 70-130 | 7 | | 20 |
| Carbon tetrachloride | 110 | | 91 | | 63-132 | 19 | | 20 |
| 1,2-Dichloropropane | 89 | | 86 | | 70-130 | 3 | | 20 |
| Dibromochloromethane | 90 | | 91 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 84 | | 86 | | 70-130 | 2 | | 20 |
| Tetrachloroethene | 90 | | 79 | | 70-130 | 13 | | 20 |
| Chlorobenzene | 94 | | 86 | | 75-130 | 9 | | 20 |
| Trichlorofluoromethane | 120 | | 100 | | 62-150 | 18 | | 20 |
| 1,2-Dichloroethane | 84 | | 88 | | 70-130 | 5 | | 20 |
| 1,1,1-Trichloroethane | 95 | | 86 | | 67-130 | 10 | | 20 |
| Bromodichloromethane | 87 | | 88 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 80 | | 80 | | 70-130 | 0 | | 20 |
| cis-1,3-Dichloropropene | 89 | | 82 | | 70-130 | 8 | | 20 |
| 1,1-Dichloropropene | 96 | | 81 | | 70-130 | 17 | | 20 |
| Bromoform | 79 | | 82 | | 54-136 | 4 | | 20 |
| 1,1,2,2-Tetrachloroethane | 92 | | 81 | | 67-130 | 13 | | 20 |
| Benzene | 90 | | 83 | | 70-130 | 8 | | 20 |
| Toluene | 100 | | 83 | | 70-130 | 19 | | 20 |
| Ethylbenzene | 94 | | 85 | | 70-130 | 10 | | 20 |
| Chloromethane | 120 | | 110 | | 64-130 | 9 | | 20 |
| Bromomethane | 110 | | 110 | | 39-139 | 0 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 Batch: WG1411227-3 WG1411227-4 | | | | | | | | |
| Vinyl chloride | 98 | | 98 | | 55-140 | 0 | | 20 |
| Chloroethane | 140 | Q | 120 | | 55-138 | 15 | | 20 |
| 1,1-Dichloroethene | 85 | | 80 | | 61-145 | 6 | | 20 |
| trans-1,2-Dichloroethene | 82 | | 81 | | 70-130 | 1 | | 20 |
| Trichloroethene | 100 | | 87 | | 70-130 | 14 | | 20 |
| 1,2-Dichlorobenzene | 96 | | 86 | | 70-130 | 11 | | 20 |
| 1,3-Dichlorobenzene | 100 | | 87 | | 70-130 | 14 | | 20 |
| 1,4-Dichlorobenzene | 100 | | 91 | | 70-130 | 9 | | 20 |
| Methyl tert butyl ether | 71 | | 77 | | 63-130 | 8 | | 20 |
| p/m-Xylene | 100 | | 90 | | 70-130 | 11 | | 20 |
| o-Xylene | 100 | | 100 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 90 | | 84 | | 70-130 | 7 | | 20 |
| Dibromomethane | 89 | | 84 | | 70-130 | 6 | | 20 |
| 1,2,3-Trichloropropane | 87 | | 80 | | 64-130 | 8 | | 20 |
| Acrylonitrile | 71 | | 82 | | 70-130 | 14 | | 20 |
| Styrene | 95 | | 100 | | 70-130 | 5 | | 20 |
| Dichlorodifluoromethane | 140 | | 130 | | 36-147 | 7 | | 20 |
| Acetone | 73 | | 82 | | 58-148 | 12 | | 20 |
| Carbon disulfide | 88 | | 83 | | 51-130 | 6 | | 20 |
| 2-Butanone | 93 | | 100 | | 63-138 | 7 | | 20 |
| Vinyl acetate | 70 | | 76 | | 70-130 | 8 | | 20 |
| 4-Methyl-2-pentanone | 72 | | 72 | | 59-130 | 0 | | 20 |
| 2-Hexanone | 64 | | 68 | | 57-130 | 6 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery | | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|-----------|------|-----|------|---------------|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | | |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 Batch: WG1411227-3 WG1411227-4 | | | | | | | | | |
| Bromochloromethane | 93 | | 95 | | 70-130 | | 2 | | 20 |
| 2,2-Dichloropropane | 100 | | 96 | | 63-133 | | 4 | | 20 |
| 1,2-Dibromoethane | 83 | | 81 | | 70-130 | | 2 | | 20 |
| 1,3-Dichloropropane | 84 | | 84 | | 70-130 | | 0 | | 20 |
| 1,1,1,2-Tetrachloroethane | 96 | | 88 | | 64-130 | | 9 | | 20 |
| Bromobenzene | 99 | | 84 | | 70-130 | | 16 | | 20 |
| n-Butylbenzene | 100 | | 86 | | 53-136 | | 15 | | 20 |
| sec-Butylbenzene | 110 | | 88 | | 70-130 | | 22 | Q | 20 |
| tert-Butylbenzene | 96 | | 76 | | 70-130 | | 23 | Q | 20 |
| o-Chlorotoluene | 100 | | 85 | | 70-130 | | 16 | | 20 |
| p-Chlorotoluene | 100 | | 87 | | 70-130 | | 14 | | 20 |
| 1,2-Dibromo-3-chloropropane | 72 | | 77 | | 41-144 | | 7 | | 20 |
| Hexachlorobutadiene | 100 | | 83 | | 63-130 | | 19 | | 20 |
| Isopropylbenzene | 100 | | 86 | | 70-130 | | 15 | | 20 |
| p-Isopropyltoluene | 100 | | 86 | | 70-130 | | 15 | | 20 |
| Naphthalene | 70 | | 70 | | 70-130 | | 0 | | 20 |
| n-Propylbenzene | 110 | | 86 | | 69-130 | | 24 | Q | 20 |
| 1,2,3-Trichlorobenzene | 82 | | 77 | | 70-130 | | 6 | | 20 |
| 1,2,4-Trichlorobenzene | 83 | | 75 | | 70-130 | | 10 | | 20 |
| 1,3,5-Trimethylbenzene | 110 | | 88 | | 64-130 | | 22 | Q | 20 |
| 1,2,4-Trimethylbenzene | 100 | | 88 | | 70-130 | | 13 | | 20 |
| 1,4-Dioxane | 68 | | 72 | | 56-162 | | 6 | | 20 |
| p-Diethylbenzene | 100 | | 84 | | 70-130 | | 17 | | 20 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 Batch: WG1411227-3 WG1411227-4 | | | | | | | | |
| p-Ethyltoluene | 110 | | 87 | | 70-130 | 23 | Q | 20 |
| 1,2,4,5-Tetramethylbenzene | 94 | | 82 | | 70-130 | 14 | | 20 |
| Ethyl ether | 82 | | 84 | | 59-134 | 2 | | 20 |
| trans-1,4-Dichloro-2-butene | 84 | | 81 | | 70-130 | 4 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 96 | | 96 | | 70-130 |
| Toluene-d8 | 105 | | 94 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 92 | | 70-130 |
| Dibromofluoromethane | 100 | | 101 | | 70-130 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 QC Batch ID: WG1411227-6 WG1411227-7 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Methylene chloride | ND | 10 | 8.5 | 85 | | 10 | 100 | | 70-130 | 16 | | 20 |
| 1,1-Dichloroethane | ND | 10 | 9.0 | 90 | | 12 | 120 | | 70-130 | 29 | Q | 20 |
| Chloroform | ND | 10 | 8.8 | 88 | | 11 | 110 | | 70-130 | 22 | Q | 20 |
| Carbon tetrachloride | ND | 10 | 9.2 | 92 | | 12 | 120 | | 63-132 | 26 | Q | 20 |
| 1,2-Dichloropropane | ND | 10 | 8.8 | 88 | | 11 | 110 | | 70-130 | 22 | Q | 20 |
| Dibromochloromethane | ND | 10 | 8.4 | 84 | | 10 | 100 | | 63-130 | 17 | | 20 |
| 1,1,2-Trichloroethane | ND | 10 | 8.2 | 82 | | 9.5 | 95 | | 70-130 | 15 | | 20 |
| Tetrachloroethene | ND | 10 | 6.9 | 69 | Q | 8.5 | 85 | | 70-130 | 21 | Q | 20 |
| Chlorobenzene | ND | 10 | 8.0 | 80 | | 9.7 | 97 | | 75-130 | 19 | | 20 |
| Trichlorofluoromethane | ND | 10 | 9.8 | 98 | | 12 | 120 | | 62-150 | 20 | | 20 |
| 1,2-Dichloroethane | ND | 10 | 8.5 | 85 | | 10 | 100 | | 70-130 | 16 | | 20 |
| 1,1,1-Trichloroethane | ND | 10 | 9.0 | 90 | | 11 | 110 | | 67-130 | 20 | | 20 |
| Bromodichloromethane | ND | 10 | 8.6 | 86 | | 9.8 | 98 | | 67-130 | 13 | | 20 |
| trans-1,3-Dichloropropene | ND | 10 | 7.1 | 71 | | 8.6 | 86 | | 70-130 | 19 | | 20 |
| cis-1,3-Dichloropropene | ND | 10 | 7.6 | 76 | | 10 | 100 | | 70-130 | 27 | Q | 20 |
| 1,1-Dichloropropene | ND | 10 | 7.4 | 74 | | 10 | 100 | | 70-130 | 30 | Q | 20 |
| Bromoform | ND | 10 | 8.4 | 84 | | 10 | 100 | | 54-136 | 17 | | 20 |
| 1,1,1,2,2-Tetrachloroethane | ND | 10 | 8.3 | 83 | | 11 | 110 | | 67-130 | 28 | Q | 20 |
| Benzene | ND | 10 | 8.8 | 88 | | 10 | 100 | | 70-130 | 13 | | 20 |
| Toluene | ND | 10 | 7.9 | 79 | | 10 | 100 | | 70-130 | 23 | Q | 20 |
| Ethylbenzene | ND | 10 | 8.2 | 82 | | 9.8 | 98 | | 70-130 | 18 | | 20 |
| Chloromethane | ND | 10 | 11 | 110 | | 13 | 130 | | 64-130 | 17 | | 20 |
| Bromomethane | ND | 10 | 9.1 | 91 | | 11 | 110 | | 39-139 | 19 | | 20 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 QC Batch ID: WG1411227-6 WG1411227-7 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Vinyl chloride | ND | 10 | 9.8 | 98 | | 12 | 120 | | 55-140 | 20 | | 20 |
| Chloroethane | ND | 10 | 10 | 100 | | 12 | 120 | | 55-138 | 18 | | 20 |
| 1,1-Dichloroethene | ND | 10 | 8.0 | 80 | | 10 | 100 | | 61-145 | 22 | Q | 20 |
| trans-1,2-Dichloroethene | ND | 10 | 7.8 | 78 | | 9.6 | 96 | | 70-130 | 21 | Q | 20 |
| Trichloroethene | ND | 10 | 8.8 | 88 | | 10 | 100 | | 70-130 | 13 | | 20 |
| 1,2-Dichlorobenzene | ND | 10 | 7.8 | 78 | | 9.4 | 94 | | 70-130 | 19 | | 20 |
| 1,3-Dichlorobenzene | ND | 10 | 7.7 | 77 | | 9.4 | 94 | | 70-130 | 20 | | 20 |
| 1,4-Dichlorobenzene | ND | 10 | 7.4 | 74 | | 9.4 | 94 | | 70-130 | 24 | Q | 20 |
| Methyl tert butyl ether | 12 | 10 | 19 | 70 | | 23 | 110 | | 63-130 | 19 | | 20 |
| p/m-Xylene | ND | 20 | 16 | 80 | | 20 | 100 | | 70-130 | 22 | Q | 20 |
| o-Xylene | ND | 20 | 17 | 85 | | 20 | 100 | | 70-130 | 16 | | 20 |
| cis-1,2-Dichloroethene | ND | 10 | 9.1 | 91 | | 11 | 110 | | 70-130 | 19 | | 20 |
| Dibromomethane | ND | 10 | 8.6 | 86 | | 9.6 | 96 | | 70-130 | 11 | | 20 |
| 1,2,3-Trichloropropane | ND | 10 | 7.6 | 76 | | 9.6 | 96 | | 64-130 | 23 | Q | 20 |
| Acrylonitrile | ND | 10 | 8.8 | 88 | | 10 | 100 | | 70-130 | 13 | | 20 |
| Styrene | ND | 20 | 16 | 80 | | 19 | 95 | | 70-130 | 17 | | 20 |
| Dichlorodifluoromethane | ND | 10 | 12 | 120 | | 15 | 150 | Q | 36-147 | 22 | Q | 20 |
| Acetone | ND | 10 | 9.0 | 90 | | 9.1 | 91 | | 58-148 | 1 | | 20 |
| Carbon disulfide | ND | 10 | 8.4 | 84 | | 10 | 100 | | 51-130 | 17 | | 20 |
| 2-Butanone | ND | 10 | 11 | 110 | | 12 | 120 | | 63-138 | 9 | | 20 |
| Vinyl acetate | ND | 10 | 6.8 | 68 | Q | 7.9 | 79 | | 70-130 | 15 | | 20 |
| 4-Methyl-2-pentanone | ND | 10 | 8.2 | 82 | | 8.8 | 88 | | 59-130 | 7 | | 20 |
| 2-Hexanone | ND | 10 | 6.8 | 68 | | 7.8 | 78 | | 57-130 | 14 | | 20 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-11 QC Batch ID: WG1411227-6 WG1411227-7 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Bromochloromethane | ND | 10 | 9.5 | 95 | | 11 | 110 | | 70-130 | 15 | | 20 |
| 2,2-Dichloropropane | ND | 10 | 7.5 | 75 | | 8.8 | 88 | | 63-133 | 16 | | 20 |
| 1,2-Dibromoethane | ND | 10 | 8.0 | 80 | | 9.3 | 93 | | 70-130 | 15 | | 20 |
| 1,3-Dichloropropane | ND | 10 | 7.8 | 78 | | 9.5 | 95 | | 70-130 | 20 | | 20 |
| 1,1,1,2-Tetrachloroethane | ND | 10 | 8.3 | 83 | | 9.7 | 97 | | 64-130 | 16 | | 20 |
| Bromobenzene | ND | 10 | 7.9 | 79 | | 10 | 100 | | 70-130 | 23 | Q | 20 |
| n-Butylbenzene | ND | 10 | 7.4 | 74 | | 9.3 | 93 | | 53-136 | 23 | Q | 20 |
| sec-Butylbenzene | ND | 10 | 8.1 | 81 | | 10 | 100 | | 70-130 | 21 | Q | 20 |
| tert-Butylbenzene | ND | 10 | 7.3 | 73 | | 9.7 | 97 | | 70-130 | 28 | Q | 20 |
| o-Chlorotoluene | ND | 10 | 7.8 | 78 | | 10 | 100 | | 70-130 | 25 | Q | 20 |
| p-Chlorotoluene | ND | 10 | 7.8 | 78 | | 10 | 100 | | 70-130 | 25 | Q | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 8.1 | 81 | | 9.0 | 90 | | 41-144 | 11 | | 20 |
| Hexachlorobutadiene | ND | 10 | 7.9 | 79 | | 9.2 | 92 | | 63-130 | 15 | | 20 |
| Isopropylbenzene | ND | 10 | 8.2 | 82 | | 11 | 110 | | 70-130 | 29 | Q | 20 |
| p-Isopropyltoluene | ND | 10 | 7.7 | 77 | | 9.7 | 97 | | 70-130 | 23 | Q | 20 |
| Naphthalene | ND | 10 | 7.6 | 76 | | 8.7 | 87 | | 70-130 | 13 | | 20 |
| n-Propylbenzene | ND | 10 | 7.8 | 78 | | 10 | 100 | | 69-130 | 25 | Q | 20 |
| 1,2,3-Trichlorobenzene | ND | 10 | 7.2 | 72 | | 8.6 | 86 | | 70-130 | 18 | | 20 |
| 1,2,4-Trichlorobenzene | ND | 10 | 6.8 | 68 | Q | 8.3 | 83 | | 70-130 | 20 | | 20 |
| 1,3,5-Trimethylbenzene | ND | 10 | 8.1 | 81 | | 10 | 100 | | 64-130 | 21 | Q | 20 |
| 1,2,4-Trimethylbenzene | ND | 10 | 8.1 | 81 | | 10 | 100 | | 70-130 | 21 | Q | 20 |
| 1,4-Dioxane | ND | 500 | 450 | 90 | | 470 | 94 | | 56-162 | 4 | | 20 |
| p-Diethylbenzene | ND | 10 | 7.2 | 72 | | 9.1 | 91 | | 70-130 | 23 | Q | 20 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| 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): 07-11 QC Batch ID: WG1411227-6 WG1411227-7 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| p-Ethyltoluene | ND | 10 | 7.8 | 78 | | 11 | 110 | | 70-130 | 34 | Q | 20 |
| 1,2,4,5-Tetramethylbenzene | ND | 10 | 7.5 | 75 | | 9.3 | 93 | | 70-130 | 21 | Q | 20 |
| Ethyl ether | ND | 10 | 7.5 | 75 | | 8.8 | 88 | | 59-134 | 16 | | 20 |
| trans-1,4-Dichloro-2-butene | ND | 10 | 6.1 | 61 | Q | 7.3 | 73 | | 70-130 | 18 | | 20 |

| Surrogate | MS | | MSD | | Acceptance Criteria |
|-----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 | 101 | | 106 | | 70-130 |
| 4-Bromofluorobenzene | 94 | | 105 | | 70-130 |
| Dibromofluoromethane | 111 | | 118 | | 70-130 |
| Toluene-d8 | 94 | | 100 | | 70-130 |

SEMIVOLATILES

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/15/20 00:24
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | 2.6 | J | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | 1.3 | J | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | 11. | J | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 82 | | 21-120 |
| Phenol-d6 | 64 | | 10-120 |
| Nitrobenzene-d5 | 88 | | 23-120 |
| 2-Fluorobiphenyl | 89 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
 Client ID: 073_LMW-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 01:13
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 0.04 | J | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 0.04 | J | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
 Client ID: 073_LMW-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
 Date Received: 09/10/20
 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 | 74 | | 21-120 |
| Phenol-d6 | 68 | | 10-120 |
| Nitrobenzene-d5 | 97 | | 23-120 |
| 2-Fluorobiphenyl | 97 | | 15-120 |
| 2,4,6-Tribromophenol | 88 | | 10-120 |
| 4-Terphenyl-d14 | 107 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
 Client ID: 073_LMW-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 04:30
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 64.8 | J | ng/l | 150 | 33.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------|------------|-----------|---------------------|
| 1,4-Dioxane-d8 | 50 | | 15-110 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 19:12
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 6.09 | | ng/l | 1.86 | 0.379 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 8.81 | | ng/l | 1.86 | 0.368 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 6.51 | F | ng/l | 1.86 | 0.221 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 8.27 | | ng/l | 1.86 | 0.305 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 4.93 | | ng/l | 1.86 | 0.209 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 6.15 | | ng/l | 1.86 | 0.349 | 1 |
| Perfluorooctanoic Acid (PFOA) | 21.2 | | ng/l | 1.86 | 0.219 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 4.25 | | ng/l | 1.86 | 1.24 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.86 | 0.639 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.52 | J | ng/l | 1.86 | 0.290 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 30.9 | F | ng/l | 1.86 | 0.468 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.554 | J | ng/l | 1.86 | 0.282 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.86 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 3.02 | | ng/l | 1.86 | 0.602 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 0.513 | J | ng/l | 1.86 | 0.242 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.86 | 0.910 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.86 | 0.539 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 1.62 | JF | ng/l | 1.86 | 0.747 | 1 |
| Perfluorododecanoic Acid (PFDoA) | 0.687 | J | ng/l | 1.86 | 0.346 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.86 | 0.304 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.86 | 0.230 | 1 |
| PFOA/PFOS, Total | 52.1 | | ng/l | 1.86 | 0.219 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
 Client ID: 073_LMW-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
 Date Received: 09/10/20
 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 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 72 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 87 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 69 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 82 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 92 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 85 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 184 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 93 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 86 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 76 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 122 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 73 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 30 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 67 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 60 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 42 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/15/20 00:48
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 80 | | 21-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 87 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 15-120 |
| 2,4,6-Tribromophenol | 99 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
 Client ID: 075_LMW-6
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 01:34
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.32 | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 0.03 | J | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.12 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.04 | J | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
 Client ID: 075_LMW-6
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
 Date Received: 09/10/20
 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 | 71 | | 21-120 |
| Phenol-d6 | 61 | | 10-120 |
| Nitrobenzene-d5 | 86 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 15-120 |
| 2,4,6-Tribromophenol | 98 | | 10-120 |
| 4-Terphenyl-d14 | 94 | | 41-149 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-02
 Client ID: 075_LMW-6
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 04:55
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 49 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 19:29
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 7.34 | | ng/l | 1.83 | 0.374 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 6.33 | | ng/l | 1.83 | 0.363 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.27 | | ng/l | 1.83 | 0.218 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 6.43 | | ng/l | 1.83 | 0.301 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 4.94 | | ng/l | 1.83 | 0.206 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 2.29 | | ng/l | 1.83 | 0.345 | 1 |
| Perfluorooctanoic Acid (PFOA) | 9.01 | | ng/l | 1.83 | 0.216 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 2.20 | | ng/l | 1.83 | 1.22 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.997 | J | ng/l | 1.83 | 0.631 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.87 | | ng/l | 1.83 | 0.286 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 33.5 | F | ng/l | 1.83 | 0.462 | 1 |
| Perfluorodecanoic Acid (PFDA) | 1.24 | J | ng/l | 1.83 | 0.279 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.83 | 1.11 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 5.34 | F | ng/l | 1.83 | 0.594 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | 1.44 | J | ng/l | 1.83 | 0.238 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.83 | 0.898 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.83 | 0.532 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 2.53 | F | ng/l | 1.83 | 0.737 | 1 |
| Perfluorododecanoic Acid (PFDoA) | 1.38 | J | ng/l | 1.83 | 0.341 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.83 | 0.300 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.83 | 0.227 | 1 |
| PFOA/PFOS, Total | 42.5 | | ng/l | 1.83 | 0.216 | 1 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-02

Date Collected: 09/10/20 10:20

Client ID: 075_LMW-6

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 86 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 87 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 80 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 90 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 92 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 88 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 161 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 90 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 86 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 81 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 113 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 58 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 78 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 35 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 68 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 67 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 49 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/15/20 01:13
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | 2.2 | J | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 71 | | 21-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 23-120 |
| 2-Fluorobiphenyl | 88 | | 15-120 |
| 2,4,6-Tribromophenol | 76 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
 Client ID: 076_LMW-7
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 01:55
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.58 | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 0.05 | J | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 0.05 | J | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 0.05 | J | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.15 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.06 | J | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
 Client ID: 076_LMW-7
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
 Date Received: 09/10/20
 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 | 59 | | 10-120 |
| Nitrobenzene-d5 | 88 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 15-120 |
| 2,4,6-Tribromophenol | 48 | | 10-120 |
| 4-Terphenyl-d14 | 99 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 05:19
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 94.2 | J | ng/l | 150 | 33.9 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------|------------|-----------|---------------------|
| 1,4-Dioxane-d8 | 45 | | 15-110 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 19:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 5.17 | | ng/l | 1.85 | 0.378 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 4.30 | | ng/l | 1.85 | 0.367 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.71 | | ng/l | 1.85 | 0.220 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 3.45 | | ng/l | 1.85 | 0.304 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 1.54 | J | ng/l | 1.85 | 0.209 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 2.24 | | ng/l | 1.85 | 0.348 | 1 |
| Perfluorooctanoic Acid (PFOA) | 8.85 | | ng/l | 1.85 | 0.219 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.79 | JF | ng/l | 1.85 | 1.23 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.697 | J | ng/l | 1.85 | 0.637 | 1 |
| Perfluorononanoic Acid (PFNA) | 2.40 | | ng/l | 1.85 | 0.289 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 62.8 | F | ng/l | 1.85 | 0.467 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.686 | J | ng/l | 1.85 | 0.282 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.85 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 5.94 | | ng/l | 1.85 | 0.600 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.85 | 0.241 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.85 | 0.908 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.85 | 0.537 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 3.50 | F | ng/l | 1.85 | 0.745 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.85 | 0.345 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.85 | 0.303 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.85 | 0.230 | 1 |
| PFOA/PFOS, Total | 71.7 | | ng/l | 1.85 | 0.219 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
 Client ID: 076_LMW-7
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
 Date Received: 09/10/20
 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) | 84 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 92 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 88 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 78 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 89 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 98 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 87 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 120 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 84 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 84 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 78 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 64 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 39 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 77 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 27 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 51 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 62 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 46 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/15/20 01:37
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | 3.1 | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | 1.2 | J | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-04

Date Collected: 09/10/20 08:30

Client ID: 074_DUP-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 81 | | 21-120 |
| Phenol-d6 | 71 | | 10-120 |
| Nitrobenzene-d5 | 90 | | 23-120 |
| 2-Fluorobiphenyl | 98 | | 15-120 |
| 2,4,6-Tribromophenol | 103 | | 10-120 |
| 4-Terphenyl-d14 | 82 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 02:16
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.03 | J | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 0.01 | J | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 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 | 64 | | 21-120 |
| Phenol-d6 | 59 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 81 | | 15-120 |
| 2,4,6-Tribromophenol | 88 | | 10-120 |
| 4-Terphenyl-d14 | 90 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 05:42
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 144 | 32.6 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 43 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 20:02
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 6.10 | | ng/l | 1.85 | 0.377 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 7.52 | | ng/l | 1.85 | 0.366 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.61 | | ng/l | 1.85 | 0.220 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 7.81 | | ng/l | 1.85 | 0.303 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 4.93 | | ng/l | 1.85 | 0.208 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 6.28 | F | ng/l | 1.85 | 0.347 | 1 |
| Perfluorooctanoic Acid (PFOA) | 21.6 | | ng/l | 1.85 | 0.218 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 5.53 | | ng/l | 1.85 | 1.23 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.776 | J | ng/l | 1.85 | 0.635 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.37 | J | ng/l | 1.85 | 0.288 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 31.0 | F | ng/l | 1.85 | 0.465 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.85 | 0.281 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.85 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 2.14 | | ng/l | 1.85 | 0.598 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.85 | 0.240 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.85 | 0.905 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.85 | 0.536 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 1.37 | JF | ng/l | 1.85 | 0.742 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.85 | 0.344 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.85 | 0.302 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.85 | 0.229 | 1 |
| PFOA/PFOS, Total | 52.6 | | ng/l | 1.85 | 0.218 | 1 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-04

Date Collected: 09/10/20 08:30

Client ID: 074_DUP-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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) | 83 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 72 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 90 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 70 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 82 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 96 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 85 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 205 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 95 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 89 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 79 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 133 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 77 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 32 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 70 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 65 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 49 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 09/16/20 09:41
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:46

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 55 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 62 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 15-120 |
| 2,4,6-Tribromophenol | 79 | | 10-120 |
| 4-Terphenyl-d14 | 89 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 04:06
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:45

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
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 | 48 | | 10-120 |
| Nitrobenzene-d5 | 80 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 15-120 |
| 2,4,6-Tribromophenol | 75 | | 10-120 |
| 4-Terphenyl-d14 | 82 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 06:06
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:07

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 144 | 32.6 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 43 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 20:18
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.84 | 0.376 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.84 | 0.365 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.84 | 0.219 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.84 | 0.302 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.84 | 0.207 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.84 | 0.346 | 1 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 1.84 | 0.217 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.84 | 1.23 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.84 | 0.634 | 1 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 1.84 | 0.287 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.84 | 0.464 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.84 | 0.280 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.84 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.84 | 0.597 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.84 | 0.239 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.84 | 0.903 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.84 | 0.534 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.84 | 0.740 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.84 | 0.343 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.84 | 0.301 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.84 | 0.228 | 1 |
| PFOA/PFOS, Total | ND | | ng/l | 1.84 | 0.217 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 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 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 114 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 93 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 93 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 98 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 99 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 94 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 42 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 93 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 89 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 45 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 55 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 95 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 67 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 55 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 80 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 61 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/17/20 12:31
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 40 | | 21-120 |
| Phenol-d6 | 37 | | 10-120 |
| Nitrobenzene-d5 | 51 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 15-120 |
| 2,4,6-Tribromophenol | 53 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 14:03
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:04

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.04 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 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 | 48 | | 21-120 |
| Phenol-d6 | 43 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 15-120 |
| 2,4,6-Tribromophenol | 55 | | 10-120 |
| 4-Terphenyl-d14 | 74 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 18:29
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/20 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 46 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 20:35
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 3.70 | | ng/l | 1.84 | 0.376 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 6.18 | | ng/l | 1.84 | 0.365 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 1.54 | J | ng/l | 1.84 | 0.220 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 6.59 | | ng/l | 1.84 | 0.303 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 10.1 | | ng/l | 1.84 | 0.208 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.683 | J | ng/l | 1.84 | 0.347 | 1 |
| Perfluorooctanoic Acid (PFOA) | 7.53 | | ng/l | 1.84 | 0.218 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.84 | 1.23 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.84 | 0.635 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.591 | J | ng/l | 1.84 | 0.288 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 6.86 | F | ng/l | 1.84 | 0.465 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.303 | JF | ng/l | 1.84 | 0.280 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.84 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.84 | 0.598 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.84 | 0.240 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.84 | 0.904 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.84 | 0.535 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.84 | 0.742 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.84 | 0.343 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.84 | 0.302 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.84 | 0.229 | 1 |
| PFOA/PFOS, Total | 14.4 | | ng/l | 1.84 | 0.218 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 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) | 80 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 95 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 90 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 95 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 96 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 85 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 40 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 84 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 81 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 76 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 39 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 46 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 78 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 29 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 43 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 67 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 55 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/17/20 12:53
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-08

Date Collected: 09/11/20 12:05

Client ID: 081_LMW-4

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 43 | | 10-120 |
| Nitrobenzene-d5 | 55 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 15-120 |
| 2,4,6-Tribromophenol | 67 | | 10-120 |
| 4-Terphenyl-d14 | 69 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 14:23
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:04

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.09 | J | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 0.23 | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 0.08 | J | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | 0.09 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 0.09 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | 0.10 | J | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | 0.03 | J | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 0.08 | J | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 0.05 | J | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 0.06 | J | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 0.06 | J | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.22 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 0.06 | J | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.22 | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 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 | 51 | | 21-120 |
| Phenol-d6 | 44 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 15-120 |
| 2,4,6-Tribromophenol | 66 | | 10-120 |
| 4-Terphenyl-d14 | 66 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 19:30
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/20 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 63 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/18/20 23:51
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 14.8 | | ng/l | 1.89 | 0.385 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 22.5 | | ng/l | 1.89 | 0.374 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.45 | | ng/l | 1.89 | 0.225 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 28.1 | | ng/l | 1.89 | 0.310 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 55.2 | | ng/l | 1.89 | 0.213 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 2.10 | | ng/l | 1.89 | 0.355 | 1 |
| Perfluorooctanoic Acid (PFOA) | 31.8 | | ng/l | 1.89 | 0.223 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 8.84 | | ng/l | 1.89 | 1.26 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.89 | 0.650 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.775 | J | ng/l | 1.89 | 0.295 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 6.37 | | ng/l | 1.89 | 0.476 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.400 | JF | ng/l | 1.89 | 0.287 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.89 | 1.14 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.89 | 0.612 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.89 | 0.246 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.89 | 0.926 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.89 | 0.548 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.89 | 0.760 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.89 | 0.351 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.89 | 0.309 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | 0.246 | JF | ng/l | 1.89 | 0.234 | 1 |
| PFOA/PFOS, Total | 38.2 | | ng/l | 1.89 | 0.223 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 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) | 84 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 79 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 85 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 64 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 76 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 85 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 86 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 93 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 93 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 88 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 73 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 55 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 35 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 71 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 20 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 38 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 60 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 58 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
Client ID: 082_LMW-8
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/17/20 13:16
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 20 | Q | 21-120 |
| Phenol-d6 | 36 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 15-120 |
| 2,4,6-Tribromophenol | 16 | | 10-120 |
| 4-Terphenyl-d14 | 76 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 14:43
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 08:04

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.30 | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 4.0 | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 0.28 | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | 2.2 | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 2.0 | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | 2.2 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | 0.77 | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 2.1 | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | 0.22 | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 0.63 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 1.3 | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 0.31 | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 2.8 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | 0.31 | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 1.2 | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 4.7 | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | 0.12 | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 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 | 30 | | 21-120 |
| Phenol-d6 | 38 | | 10-120 |
| Nitrobenzene-d5 | 63 | | 23-120 |
| 2-Fluorobiphenyl | 58 | | 15-120 |
| 2,4,6-Tribromophenol | 26 | | 10-120 |
| 4-Terphenyl-d14 | 66 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 19:51
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/20 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 156 | 35.3 | 1 |
| Surrogate | | | % Recovery | Qualifier | Acceptance Criteria | |
| 1,4-Dioxane-d8 | | | 50 | | 15-110 | |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
Client ID: 082_LMW-8
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 00:07
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 7.92 | | ng/l | 1.91 | 0.389 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 11.2 | | ng/l | 1.91 | 0.378 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 4.09 | | ng/l | 1.91 | 0.227 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 10.6 | | ng/l | 1.91 | 0.313 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 26.6 | | ng/l | 1.91 | 0.215 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 2.95 | | ng/l | 1.91 | 0.359 | 1 |
| Perfluorooctanoic Acid (PFOA) | 43.4 | | ng/l | 1.91 | 0.225 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.91 | 1.27 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.91 | 0.656 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.557 | J | ng/l | 1.91 | 0.298 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 8.54 | F | ng/l | 1.91 | 0.481 | 1 |
| Perfluorodecanoic Acid (PFDA) | 0.492 | JF | ng/l | 1.91 | 0.290 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.91 | 1.16 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.91 | 0.618 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.91 | 0.248 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.91 | 0.935 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.91 | 0.553 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.91 | 0.767 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.91 | 0.355 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.91 | 0.312 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.91 | 0.236 | 1 |
| PFOA/PFOS, Total | 51.9 | | ng/l | 1.91 | 0.225 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 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 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 82 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 91 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 67 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 80 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 86 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 88 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 92 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 88 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 75 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 39 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 38 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 71 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 13 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 35 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 63 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 58 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/17/20 16:49
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:22

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | 1.5 | J | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
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 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 57 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 72 | | 15-120 |
| 2,4,6-Tribromophenol | 88 | | 10-120 |
| 4-Terphenyl-d14 | 90 | | 41-149 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 20:12
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/20 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 156 | 35.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------|------------|-----------|---------------------|
| 1,4-Dioxane-d8 | 57 | | 15-110 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/20 20:50
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/16/20 16:28

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.02 | J | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 0.02 | J | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.05 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 0.04 | J | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 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 | 48 | | 10-120 |
| Nitrobenzene-d5 | 74 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 77 | | 10-120 |
| 4-Terphenyl-d14 | 78 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/19/20 00:24
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 8.95 | | ng/l | 1.85 | 0.378 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 17.1 | | ng/l | 1.85 | 0.367 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 2.73 | | ng/l | 1.85 | 0.221 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 21.7 | | ng/l | 1.85 | 0.304 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 43.9 | | ng/l | 1.85 | 0.209 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.786 | JF | ng/l | 1.85 | 0.349 | 1 |
| Perfluorooctanoic Acid (PFOA) | 33.1 | | ng/l | 1.85 | 0.219 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 1.85 | 1.24 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.85 | 0.638 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.809 | J | ng/l | 1.85 | 0.289 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 6.87 | | ng/l | 1.85 | 0.467 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.85 | 0.282 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.85 | 1.12 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.85 | 0.601 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.85 | 0.241 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.85 | 0.909 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.85 | 0.538 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.85 | 0.746 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.85 | 0.345 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.85 | 0.303 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.85 | 0.230 | 1 |
| PFOA/PFOS, Total | 40.0 | | ng/l | 1.85 | 0.219 | 1 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 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) | 83 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 99 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 114 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 102 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 98 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 101 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 88 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 36 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 92 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 87 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 74 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 26 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 39 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 71 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 25 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 37 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 66 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 70 | | 33-143 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 06:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/20 13:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 07-10 Batch: WG1409316-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------|-----------|-----------|---------------------|
| 1,4-Dioxane-d8 | 36 | | 15-110 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/14/20 22:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1409589-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/14/20 22:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1409589-1 | | | | | |
| Dimethyl phthalate | 2.2 | J | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/14/20 22:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:17

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1409589-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 63 | | 21-120 |
| Phenol-d6 | 52 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 69 | | 10-120 |
| 4-Terphenyl-d14 | 85 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 03:25
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1409590-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 03:25
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 11:18

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1409590-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 43 | | 21-120 |
| Phenol-d6 | 50 | | 10-120 |
| Nitrobenzene-d5 | 92 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 15-120 |
| 2,4,6-Tribromophenol | 31 | | 10-120 |
| 4-Terphenyl-d14 | 101 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/20 08:32
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:46

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1410143-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/20 08:32
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:46

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1410143-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/16/20 08:32
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:46

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1410143-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 39 | | 10-120 |
| Nitrobenzene-d5 | 54 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 74 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 02:00
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1410144-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | 0.10 | J | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | 0.09 | J | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | 0.07 | J | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | 0.09 | J | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | 0.04 | J | ug/l | 0.10 | 0.01 |
| Chrysene | 0.10 | J | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | 0.06 | J | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | 0.03 | J | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | 0.05 | J | ug/l | 0.10 | 0.01 |
| Pyrene | 0.14 | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 02:00
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 15:45

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1410144-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 37 | | 21-120 |
| Phenol-d6 | 38 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 24 | | 10-120 |
| 4-Terphenyl-d14 | 73 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/20 20:45
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:09

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1410444-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 33.9 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 52 | | 15-110 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:36
Analyst:

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1410449-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:36
Analyst:

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1410449-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:36
Analyst:

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:03

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1410449-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 53 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 15-120 |
| 2,4,6-Tribromophenol | 81 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 12:43
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:04

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-09 Batch: WG1410452-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 12:43
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 08:04

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-09 Batch: WG1410452-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 57 | | 21-120 |
| Phenol-d6 | 46 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 15-120 |
| 2,4,6-Tribromophenol | 78 | | 10-120 |
| 4-Terphenyl-d14 | 75 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:04
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1410776-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:04
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1410776-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/20 10:04
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:22

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1410776-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 61 | | 21-120 |
| Phenol-d6 | 48 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 79 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 10:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:28

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1410779-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | 0.07 | J | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | ND | | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | 0.03 | J | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D-SIM
Analytical Date: 09/17/20 10:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 16:28

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1410779-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol | 67 | | 21-120 |
| Phenol-d6 | 53 | | 10-120 |
| Nitrobenzene-d5 | 87 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 10-120 |
| 4-Terphenyl-d14 | 87 | | 41-149 |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 17:16
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05,07-10 Batch: WG1410994-1 | | | | | |
| 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) | 0.348 | J | 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: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/20/20 17:16
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/17/20 09:15

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-05,07-10 Batch: WG1410994-1 | | | | | |

| Surrogate (Extracted Internal Standard) | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 94 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 125 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 101 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 101 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 102 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 103 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 95 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 43 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 95 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 98 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 91 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 41 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 56 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 96 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 62 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 68 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 87 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 71 | | 33-143 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 07-10 Batch: WG1409316-2 WG1409316-3 | | | | | | | | |
| 1,4-Dioxane | 137 | | 107 | | 40-140 | 25 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 42 | | 47 | | 15-110 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1409589-2 WG1409589-3 | | | | | | | | |
| Acenaphthene | 80 | | 80 | | 37-111 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 74 | | 73 | | 39-98 | 1 | | 30 |
| Hexachlorobenzene | 81 | | 79 | | 40-140 | 3 | | 30 |
| Bis(2-chloroethyl)ether | 73 | | 73 | | 40-140 | 0 | | 30 |
| 2-Chloronaphthalene | 76 | | 78 | | 40-140 | 3 | | 30 |
| 1,2-Dichlorobenzene | 70 | | 70 | | 40-140 | 0 | | 30 |
| 1,3-Dichlorobenzene | 68 | | 69 | | 40-140 | 1 | | 30 |
| 1,4-Dichlorobenzene | 70 | | 70 | | 36-97 | 0 | | 30 |
| 3,3'-Dichlorobenzidine | 76 | | 63 | | 40-140 | 19 | | 30 |
| 2,4-Dinitrotoluene | 83 | | 82 | | 48-143 | 1 | | 30 |
| 2,6-Dinitrotoluene | 76 | | 78 | | 40-140 | 3 | | 30 |
| Fluoranthene | 83 | | 78 | | 40-140 | 6 | | 30 |
| 4-Chlorophenyl phenyl ether | 80 | | 79 | | 40-140 | 1 | | 30 |
| 4-Bromophenyl phenyl ether | 79 | | 78 | | 40-140 | 1 | | 30 |
| Bis(2-chloroisopropyl)ether | 58 | | 58 | | 40-140 | 0 | | 30 |
| Bis(2-chloroethoxy)methane | 70 | | 68 | | 40-140 | 3 | | 30 |
| Hexachlorobutadiene | 78 | | 79 | | 40-140 | 1 | | 30 |
| Hexachlorocyclopentadiene | 82 | | 83 | | 40-140 | 1 | | 30 |
| Hexachloroethane | 66 | | 66 | | 40-140 | 0 | | 30 |
| Isophorone | 65 | | 64 | | 40-140 | 2 | | 30 |
| Naphthalene | 75 | | 76 | | 40-140 | 1 | | 30 |
| Nitrobenzene | 74 | | 74 | | 40-140 | 0 | | 30 |
| NDPA/DPA | 79 | | 75 | | 40-140 | 5 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1409589-2 WG1409589-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 68 | | 68 | | 29-132 | 0 | | 30 |
| Bis(2-ethylhexyl)phthalate | 81 | | 95 | | 40-140 | 16 | | 30 |
| Butyl benzyl phthalate | 77 | | 74 | | 40-140 | 4 | | 30 |
| Di-n-butylphthalate | 78 | | 73 | | 40-140 | 7 | | 30 |
| Di-n-octylphthalate | 80 | | 74 | | 40-140 | 8 | | 30 |
| Diethyl phthalate | 75 | | 75 | | 40-140 | 0 | | 30 |
| Dimethyl phthalate | 86 | | 82 | | 40-140 | 5 | | 30 |
| Benzo(a)anthracene | 92 | | 88 | | 40-140 | 4 | | 30 |
| Benzo(a)pyrene | 100 | | 82 | | 40-140 | 20 | | 30 |
| Benzo(b)fluoranthene | 94 | | 82 | | 40-140 | 14 | | 30 |
| Benzo(k)fluoranthene | 100 | | 83 | | 40-140 | 19 | | 30 |
| Chrysene | 87 | | 82 | | 40-140 | 6 | | 30 |
| Acenaphthylene | 78 | | 79 | | 45-123 | 1 | | 30 |
| Anthracene | 85 | | 81 | | 40-140 | 5 | | 30 |
| Benzo(ghi)perylene | 96 | | 84 | | 40-140 | 13 | | 30 |
| Fluorene | 81 | | 80 | | 40-140 | 1 | | 30 |
| Phenanthrene | 84 | | 81 | | 40-140 | 4 | | 30 |
| Dibenzo(a,h)anthracene | 96 | | 84 | | 40-140 | 13 | | 30 |
| Indeno(1,2,3-cd)pyrene | 100 | | 88 | | 40-140 | 13 | | 30 |
| Pyrene | 81 | | 74 | | 26-127 | 9 | | 30 |
| Biphenyl | 77 | | 80 | | 40-140 | 4 | | 30 |
| 4-Chloroaniline | 60 | | 62 | | 40-140 | 3 | | 30 |
| 2-Nitroaniline | 80 | | 82 | | 52-143 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1409589-2 WG1409589-3 | | | | | | | | |
| 3-Nitroaniline | 73 | | 73 | | 25-145 | 0 | | 30 |
| 4-Nitroaniline | 73 | | 70 | | 51-143 | 4 | | 30 |
| Dibenzofuran | 81 | | 81 | | 40-140 | 0 | | 30 |
| 2-Methylnaphthalene | 76 | | 78 | | 40-140 | 3 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 79 | | 81 | | 2-134 | 3 | | 30 |
| Acetophenone | 72 | | 69 | | 39-129 | 4 | | 30 |
| 2,4,6-Trichlorophenol | 85 | | 84 | | 30-130 | 1 | | 30 |
| p-Chloro-m-cresol | 79 | | 78 | | 23-97 | 1 | | 30 |
| 2-Chlorophenol | 81 | | 80 | | 27-123 | 1 | | 30 |
| 2,4-Dichlorophenol | 85 | | 81 | | 30-130 | 5 | | 30 |
| 2,4-Dimethylphenol | 63 | | 63 | | 30-130 | 0 | | 30 |
| 2-Nitrophenol | 100 | | 100 | | 30-130 | 0 | | 30 |
| 4-Nitrophenol | 61 | | 62 | | 10-80 | 2 | | 30 |
| 2,4-Dinitrophenol | 84 | | 86 | | 20-130 | 2 | | 30 |
| 4,6-Dinitro-o-cresol | 92 | | 91 | | 20-164 | 1 | | 30 |
| Pentachlorophenol | 69 | | 69 | | 9-103 | 0 | | 30 |
| Phenol | 63 | | 62 | | 12-110 | 2 | | 30 |
| 2-Methylphenol | 74 | | 71 | | 30-130 | 4 | | 30 |
| 3-Methylphenol/4-Methylphenol | 76 | | 77 | | 30-130 | 1 | | 30 |
| 2,4,5-Trichlorophenol | 83 | | 80 | | 30-130 | 4 | | 30 |
| Benzoic Acid | 86 | | 89 | | 10-164 | 3 | | 30 |
| Benzyl Alcohol | 73 | | 71 | | 26-116 | 3 | | 30 |
| Carbazole | 84 | | 79 | | 55-144 | 6 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|---|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1409589-2 WG1409589-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 71 | | 71 | | 21-120 |
| Phenol-d6 | 60 | | 61 | | 10-120 |
| Nitrobenzene-d5 | 77 | | 77 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 87 | | 87 | | 10-120 |
| 4-Terphenyl-d14 | 78 | | 70 | | 41-149 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1409590-2 WG1409590-3 | | | | | | | | |
| Acenaphthene | 94 | | 97 | | 40-140 | 3 | | 40 |
| 2-Chloronaphthalene | 90 | | 91 | | 40-140 | 1 | | 40 |
| Fluoranthene | 112 | | 122 | | 40-140 | 9 | | 40 |
| Hexachlorobutadiene | 82 | | 80 | | 40-140 | 2 | | 40 |
| Naphthalene | 91 | | 90 | | 40-140 | 1 | | 40 |
| Benzo(a)anthracene | 106 | | 113 | | 40-140 | 6 | | 40 |
| Benzo(a)pyrene | 120 | | 130 | | 40-140 | 8 | | 40 |
| Benzo(b)fluoranthene | 111 | | 118 | | 40-140 | 6 | | 40 |
| Benzo(k)fluoranthene | 118 | | 127 | | 40-140 | 7 | | 40 |
| Chrysene | 100 | | 106 | | 40-140 | 6 | | 40 |
| Acenaphthylene | 88 | | 92 | | 40-140 | 4 | | 40 |
| Anthracene | 102 | | 109 | | 40-140 | 7 | | 40 |
| Benzo(ghi)perylene | 123 | | 134 | | 40-140 | 9 | | 40 |
| Fluorene | 98 | | 103 | | 40-140 | 5 | | 40 |
| Phenanthrene | 100 | | 106 | | 40-140 | 6 | | 40 |
| Dibenzo(a,h)anthracene | 130 | | 140 | | 40-140 | 7 | | 40 |
| Indeno(1,2,3-cd)pyrene | 130 | | 142 | Q | 40-140 | 9 | | 40 |
| Pyrene | 114 | | 124 | | 40-140 | 8 | | 40 |
| 2-Methylnaphthalene | 91 | | 91 | | 40-140 | 0 | | 40 |
| Pentachlorophenol | 132 | | 142 | Q | 40-140 | 7 | | 40 |
| Hexachlorobenzene | 88 | | 92 | | 40-140 | 4 | | 40 |
| Hexachloroethane | 96 | | 92 | | 40-140 | 4 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1409590-2 WG1409590-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 74 | | 69 | | 21-120 |
| Phenol-d6 | 64 | | 62 | | 10-120 |
| Nitrobenzene-d5 | 92 | | 90 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 74 | | 15-120 |
| 2,4,6-Tribromophenol | 74 | | 74 | | 10-120 |
| 4-Terphenyl-d14 | 88 | | 96 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1410143-2 WG1410143-3 | | | | | | | | |
| Acenaphthene | 64 | | 78 | | 37-111 | 20 | | 30 |
| 1,2,4-Trichlorobenzene | 66 | | 78 | | 39-98 | 17 | | 30 |
| Hexachlorobenzene | 77 | | 98 | | 40-140 | 24 | | 30 |
| Bis(2-chloroethyl)ether | 54 | | 68 | | 40-140 | 23 | | 30 |
| 2-Chloronaphthalene | 63 | | 75 | | 40-140 | 17 | | 30 |
| 1,2-Dichlorobenzene | 60 | | 71 | | 40-140 | 17 | | 30 |
| 1,3-Dichlorobenzene | 59 | | 72 | | 40-140 | 20 | | 30 |
| 1,4-Dichlorobenzene | 59 | | 71 | | 36-97 | 18 | | 30 |
| 3,3'-Dichlorobenzidine | 54 | | 72 | | 40-140 | 29 | | 30 |
| 2,4-Dinitrotoluene | 68 | | 83 | | 48-143 | 20 | | 30 |
| 2,6-Dinitrotoluene | 75 | | 90 | | 40-140 | 18 | | 30 |
| Fluoranthene | 66 | | 85 | | 40-140 | 25 | | 30 |
| 4-Chlorophenyl phenyl ether | 70 | | 86 | | 40-140 | 21 | | 30 |
| 4-Bromophenyl phenyl ether | 76 | | 100 | | 40-140 | 27 | | 30 |
| Bis(2-chloroisopropyl)ether | 58 | | 70 | | 40-140 | 19 | | 30 |
| Bis(2-chloroethoxy)methane | 57 | | 72 | | 40-140 | 23 | | 30 |
| Hexachlorobutadiene | 79 | | 89 | | 40-140 | 12 | | 30 |
| Hexachlorocyclopentadiene | 80 | | 95 | | 40-140 | 17 | | 30 |
| Hexachloroethane | 64 | | 81 | | 40-140 | 23 | | 30 |
| Isophorone | 54 | | 70 | | 40-140 | 26 | | 30 |
| Naphthalene | 62 | | 72 | | 40-140 | 15 | | 30 |
| Nitrobenzene | 62 | | 78 | | 40-140 | 23 | | 30 |
| NDPA/DPA | 66 | | 83 | | 40-140 | 23 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCS %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1410143-2 WG1410143-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 62 | | 78 | | 29-132 | 23 | | 30 |
| Bis(2-ethylhexyl)phthalate | 59 | | 77 | | 40-140 | 26 | | 30 |
| Butyl benzyl phthalate | 74 | | 98 | | 40-140 | 28 | | 30 |
| Di-n-butylphthalate | 60 | | 77 | | 40-140 | 25 | | 30 |
| Di-n-octylphthalate | 57 | | 75 | | 40-140 | 27 | | 30 |
| Diethyl phthalate | 65 | | 82 | | 40-140 | 23 | | 30 |
| Dimethyl phthalate | 64 | | 80 | | 40-140 | 22 | | 30 |
| Benzo(a)anthracene | 68 | | 87 | | 40-140 | 25 | | 30 |
| Benzo(a)pyrene | 73 | | 94 | | 40-140 | 25 | | 30 |
| Benzo(b)fluoranthene | 73 | | 95 | | 40-140 | 26 | | 30 |
| Benzo(k)fluoranthene | 71 | | 90 | | 40-140 | 24 | | 30 |
| Chrysene | 68 | | 85 | | 40-140 | 22 | | 30 |
| Acenaphthylene | 63 | | 75 | | 45-123 | 17 | | 30 |
| Anthracene | 64 | | 81 | | 40-140 | 23 | | 30 |
| Benzo(ghi)perylene | 72 | | 90 | | 40-140 | 22 | | 30 |
| Fluorene | 62 | | 79 | | 40-140 | 24 | | 30 |
| Phenanthrene | 64 | | 79 | | 40-140 | 21 | | 30 |
| Dibenzo(a,h)anthracene | 68 | | 84 | | 40-140 | 21 | | 30 |
| Indeno(1,2,3-cd)pyrene | 63 | | 82 | | 40-140 | 26 | | 30 |
| Pyrene | 69 | | 88 | | 26-127 | 24 | | 30 |
| Biphenyl | 63 | | 73 | | 40-140 | 15 | | 30 |
| 4-Chloroaniline | 52 | | 71 | | 40-140 | 31 | Q | 30 |
| 2-Nitroaniline | 67 | | 85 | | 52-143 | 24 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCS %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1410143-2 WG1410143-3 | | | | | | | | |
| 3-Nitroaniline | 53 | | 74 | | 25-145 | 33 | Q | 30 |
| 4-Nitroaniline | 54 | | 70 | | 51-143 | 26 | | 30 |
| Dibenzofuran | 64 | | 78 | | 40-140 | 20 | | 30 |
| 2-Methylnaphthalene | 59 | | 73 | | 40-140 | 21 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 80 | | 94 | | 2-134 | 16 | | 30 |
| Acetophenone | 57 | | 70 | | 39-129 | 20 | | 30 |
| 2,4,6-Trichlorophenol | 76 | | 94 | | 30-130 | 21 | | 30 |
| p-Chloro-m-cresol | 67 | | 82 | | 23-97 | 20 | | 30 |
| 2-Chlorophenol | 60 | | 76 | | 27-123 | 24 | | 30 |
| 2,4-Dichlorophenol | 66 | | 85 | | 30-130 | 25 | | 30 |
| 2,4-Dimethylphenol | 54 | | 72 | | 30-130 | 29 | | 30 |
| 2-Nitrophenol | 67 | | 85 | | 30-130 | 24 | | 30 |
| 4-Nitrophenol | 58 | | 73 | | 10-80 | 23 | | 30 |
| 2,4-Dinitrophenol | 51 | | 87 | | 20-130 | 52 | Q | 30 |
| 4,6-Dinitro-o-cresol | 77 | | 108 | | 20-164 | 34 | Q | 30 |
| Pentachlorophenol | 56 | | 86 | | 9-103 | 42 | Q | 30 |
| Phenol | 40 | | 50 | | 12-110 | 22 | | 30 |
| 2-Methylphenol | 60 | | 71 | | 30-130 | 17 | | 30 |
| 3-Methylphenol/4-Methylphenol | 61 | | 76 | | 30-130 | 22 | | 30 |
| 2,4,5-Trichlorophenol | 79 | | 97 | | 30-130 | 20 | | 30 |
| Benzoic Acid | 0 | Q | 49 | | 10-164 | NC | | 30 |
| Benzyl Alcohol | 55 | | 72 | | 26-116 | 27 | | 30 |
| Carbazole | 63 | | 80 | | 55-144 | 24 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1410143-2 WG1410143-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 50 | | 64 | | 21-120 |
| Phenol-d6 | 45 | | 56 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 78 | | 23-120 |
| 2-Fluorobiphenyl | 67 | | 78 | | 15-120 |
| 2,4,6-Tribromophenol | 83 | | 108 | | 10-120 |
| 4-Terphenyl-d14 | 70 | | 86 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1410144-2 WG1410144-3 | | | | | | | | |
| Acenaphthene | 83 | | 77 | | 40-140 | 8 | | 40 |
| 2-Chloronaphthalene | 84 | | 79 | | 40-140 | 6 | | 40 |
| Fluoranthene | 98 | | 88 | | 40-140 | 11 | | 40 |
| Hexachlorobutadiene | 67 | | 69 | | 40-140 | 3 | | 40 |
| Naphthalene | 79 | | 75 | | 40-140 | 5 | | 40 |
| Benzo(a)anthracene | 97 | | 85 | | 40-140 | 13 | | 40 |
| Benzo(a)pyrene | 109 | | 96 | | 40-140 | 13 | | 40 |
| Benzo(b)fluoranthene | 102 | | 86 | | 40-140 | 17 | | 40 |
| Benzo(k)fluoranthene | 105 | | 97 | | 40-140 | 8 | | 40 |
| Chrysene | 93 | | 84 | | 40-140 | 10 | | 40 |
| Acenaphthylene | 85 | | 78 | | 40-140 | 9 | | 40 |
| Anthracene | 93 | | 85 | | 40-140 | 9 | | 40 |
| Benzo(ghi)perylene | 99 | | 88 | | 40-140 | 12 | | 40 |
| Fluorene | 92 | | 84 | | 40-140 | 9 | | 40 |
| Phenanthrene | 91 | | 83 | | 40-140 | 9 | | 40 |
| Dibenzo(a,h)anthracene | 106 | | 94 | | 40-140 | 12 | | 40 |
| Indeno(1,2,3-cd)pyrene | 103 | | 90 | | 40-140 | 13 | | 40 |
| Pyrene | 97 | | 88 | | 40-140 | 10 | | 40 |
| 2-Methylnaphthalene | 83 | | 78 | | 40-140 | 6 | | 40 |
| Pentachlorophenol | 60 | | 32 | Q | 40-140 | 61 | Q | 40 |
| Hexachlorobenzene | 88 | | 82 | | 40-140 | 7 | | 40 |
| Hexachloroethane | 72 | | 73 | | 40-140 | 1 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1410144-2 WG1410144-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 55 | | 52 | | 21-120 |
| Phenol-d6 | 49 | | 45 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 72 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 59 | | 54 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 73 | | 41-149 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1410444-2 WG1410444-3 | | | | | | | | |
| 1,4-Dioxane | 111 | | 113 | | 40-140 | 2 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 48 | | 50 | | 15-110 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1410449-2 WG1410449-3 | | | | | | | | |
| Acenaphthene | 56 | | 56 | | 37-111 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 57 | | 55 | | 39-98 | 4 | | 30 |
| Hexachlorobenzene | 75 | | 74 | | 40-140 | 1 | | 30 |
| Bis(2-chloroethyl)ether | 54 | | 51 | | 40-140 | 6 | | 30 |
| 2-Chloronaphthalene | 57 | | 54 | | 40-140 | 5 | | 30 |
| 1,2-Dichlorobenzene | 51 | | 49 | | 40-140 | 4 | | 30 |
| 1,3-Dichlorobenzene | 50 | | 50 | | 40-140 | 0 | | 30 |
| 1,4-Dichlorobenzene | 54 | | 50 | | 36-97 | 8 | | 30 |
| 3,3'-Dichlorobenzidine | 41 | | 48 | | 40-140 | 16 | | 30 |
| 2,4-Dinitrotoluene | 69 | | 70 | | 48-143 | 1 | | 30 |
| 2,6-Dinitrotoluene | 70 | | 73 | | 40-140 | 4 | | 30 |
| Fluoranthene | 66 | | 68 | | 40-140 | 3 | | 30 |
| 4-Chlorophenyl phenyl ether | 65 | | 66 | | 40-140 | 2 | | 30 |
| 4-Bromophenyl phenyl ether | 73 | | 72 | | 40-140 | 1 | | 30 |
| Bis(2-chloroisopropyl)ether | 53 | | 53 | | 40-140 | 0 | | 30 |
| Bis(2-chloroethoxy)methane | 56 | | 56 | | 40-140 | 0 | | 30 |
| Hexachlorobutadiene | 66 | | 64 | | 40-140 | 3 | | 30 |
| Hexachlorocyclopentadiene | 63 | | 63 | | 40-140 | 0 | | 30 |
| Hexachloroethane | 57 | | 54 | | 40-140 | 5 | | 30 |
| Isophorone | 54 | | 55 | | 40-140 | 2 | | 30 |
| Naphthalene | 54 | | 53 | | 40-140 | 2 | | 30 |
| Nitrobenzene | 61 | | 57 | | 40-140 | 7 | | 30 |
| NDPA/DPA | 56 | | 62 | | 40-140 | 10 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1410449-2 WG1410449-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 59 | | 58 | | 29-132 | 2 | | 30 |
| Bis(2-ethylhexyl)phthalate | 60 | | 67 | | 40-140 | 11 | | 30 |
| Butyl benzyl phthalate | 78 | | 79 | | 40-140 | 1 | | 30 |
| Di-n-butylphthalate | 66 | | 62 | | 40-140 | 6 | | 30 |
| Di-n-octylphthalate | 62 | | 62 | | 40-140 | 0 | | 30 |
| Diethyl phthalate | 64 | | 67 | | 40-140 | 5 | | 30 |
| Dimethyl phthalate | 63 | | 64 | | 40-140 | 2 | | 30 |
| Benzo(a)anthracene | 66 | | 66 | | 40-140 | 0 | | 30 |
| Benzo(a)pyrene | 72 | | 72 | | 40-140 | 0 | | 30 |
| Benzo(b)fluoranthene | 71 | | 72 | | 40-140 | 1 | | 30 |
| Benzo(k)fluoranthene | 67 | | 69 | | 40-140 | 3 | | 30 |
| Chrysene | 66 | | 66 | | 40-140 | 0 | | 30 |
| Acenaphthylene | 58 | | 56 | | 45-123 | 4 | | 30 |
| Anthracene | 61 | | 59 | | 40-140 | 3 | | 30 |
| Benzo(ghi)perylene | 70 | | 70 | | 40-140 | 0 | | 30 |
| Fluorene | 58 | | 58 | | 40-140 | 0 | | 30 |
| Phenanthrene | 59 | | 59 | | 40-140 | 0 | | 30 |
| Dibenzo(a,h)anthracene | 67 | | 66 | | 40-140 | 2 | | 30 |
| Indeno(1,2,3-cd)pyrene | 64 | | 63 | | 40-140 | 2 | | 30 |
| Pyrene | 68 | | 70 | | 26-127 | 3 | | 30 |
| Biphenyl | 57 | | 56 | | 40-140 | 2 | | 30 |
| 4-Chloroaniline | 50 | | 57 | | 40-140 | 13 | | 30 |
| 2-Nitroaniline | 63 | | 68 | | 52-143 | 8 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1410449-2 WG1410449-3 | | | | | | | | |
| 3-Nitroaniline | 51 | | 54 | | 25-145 | 6 | | 30 |
| 4-Nitroaniline | 54 | | 56 | | 51-143 | 4 | | 30 |
| Dibenzofuran | 59 | | 57 | | 40-140 | 3 | | 30 |
| 2-Methylnaphthalene | 55 | | 52 | | 40-140 | 6 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 72 | | 70 | | 2-134 | 3 | | 30 |
| Acetophenone | 58 | | 54 | | 39-129 | 7 | | 30 |
| 2,4,6-Trichlorophenol | 68 | | 69 | | 30-130 | 1 | | 30 |
| p-Chloro-m-cresol | 65 | | 67 | | 23-97 | 3 | | 30 |
| 2-Chlorophenol | 57 | | 56 | | 27-123 | 2 | | 30 |
| 2,4-Dichlorophenol | 60 | | 60 | | 30-130 | 0 | | 30 |
| 2,4-Dimethylphenol | 16 | Q | 37 | | 30-130 | 79 | Q | 30 |
| 2-Nitrophenol | 70 | | 62 | | 30-130 | 12 | | 30 |
| 4-Nitrophenol | 64 | | 64 | | 10-80 | 0 | | 30 |
| 2,4-Dinitrophenol | 80 | | 61 | | 20-130 | 27 | | 30 |
| 4,6-Dinitro-o-cresol | 90 | | 87 | | 20-164 | 3 | | 30 |
| Pentachlorophenol | 64 | | 65 | | 9-103 | 2 | | 30 |
| Phenol | 41 | | 38 | | 12-110 | 8 | | 30 |
| 2-Methylphenol | 42 | | 51 | | 30-130 | 19 | | 30 |
| 3-Methylphenol/4-Methylphenol | 52 | | 57 | | 30-130 | 9 | | 30 |
| 2,4,5-Trichlorophenol | 74 | | 78 | | 30-130 | 5 | | 30 |
| Benzoic Acid | 52 | | 0 | Q | 10-164 | NC | | 30 |
| Benzyl Alcohol | 57 | | 55 | | 26-116 | 4 | | 30 |
| Carbazole | 61 | | 63 | | 55-144 | 3 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1410449-2 WG1410449-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 48 | | 46 | | 21-120 |
| Phenol-d6 | 46 | | 45 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 55 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 57 | | 15-120 |
| 2,4,6-Tribromophenol | 71 | | 80 | | 10-120 |
| 4-Terphenyl-d14 | 70 | | 67 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 Batch: WG1410452-2 WG1410452-3 | | | | | | | | |
| Acenaphthene | 71 | | 70 | | 40-140 | 1 | | 40 |
| 2-Chloronaphthalene | 74 | | 72 | | 40-140 | 3 | | 40 |
| Fluoranthene | 84 | | 84 | | 40-140 | 0 | | 40 |
| Hexachlorobutadiene | 63 | | 60 | | 40-140 | 5 | | 40 |
| Naphthalene | 69 | | 67 | | 40-140 | 3 | | 40 |
| Benzo(a)anthracene | 86 | | 85 | | 40-140 | 1 | | 40 |
| Benzo(a)pyrene | 97 | | 95 | | 40-140 | 2 | | 40 |
| Benzo(b)fluoranthene | 88 | | 84 | | 40-140 | 5 | | 40 |
| Benzo(k)fluoranthene | 87 | | 92 | | 40-140 | 6 | | 40 |
| Chrysene | 81 | | 82 | | 40-140 | 1 | | 40 |
| Acenaphthylene | 75 | | 73 | | 40-140 | 3 | | 40 |
| Anthracene | 82 | | 80 | | 40-140 | 2 | | 40 |
| Benzo(ghi)perylene | 98 | | 96 | | 40-140 | 2 | | 40 |
| Fluorene | 78 | | 77 | | 40-140 | 1 | | 40 |
| Phenanthrene | 78 | | 78 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 101 | | 100 | | 40-140 | 1 | | 40 |
| Indeno(1,2,3-cd)pyrene | 104 | | 100 | | 40-140 | 4 | | 40 |
| Pyrene | 84 | | 84 | | 40-140 | 0 | | 40 |
| 2-Methylnaphthalene | 72 | | 70 | | 40-140 | 3 | | 40 |
| Pentachlorophenol | 104 | | 100 | | 40-140 | 4 | | 40 |
| Hexachlorobenzene | 76 | | 76 | | 40-140 | 0 | | 40 |
| Hexachloroethane | 66 | | 62 | | 40-140 | 6 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 Batch: WG1410452-2 WG1410452-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 54 | | 51 | | 21-120 |
| Phenol-d6 | 45 | | 43 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 65 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 58 | | 15-120 |
| 2,4,6-Tribromophenol | 71 | | 69 | | 10-120 |
| 4-Terphenyl-d14 | 66 | | 66 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1410776-2 WG1410776-3 | | | | | | | | |
| Acenaphthene | 76 | | 78 | | 37-111 | 3 | | 30 |
| 1,2,4-Trichlorobenzene | 62 | | 63 | | 39-98 | 2 | | 30 |
| Hexachlorobenzene | 74 | | 78 | | 40-140 | 5 | | 30 |
| Bis(2-chloroethyl)ether | 65 | | 65 | | 40-140 | 0 | | 30 |
| 2-Chloronaphthalene | 72 | | 74 | | 40-140 | 3 | | 30 |
| 1,2-Dichlorobenzene | 63 | | 61 | | 40-140 | 3 | | 30 |
| 1,3-Dichlorobenzene | 63 | | 61 | | 40-140 | 3 | | 30 |
| 1,4-Dichlorobenzene | 63 | | 62 | | 36-97 | 2 | | 30 |
| 3,3'-Dichlorobenzidine | 61 | | 71 | | 40-140 | 15 | | 30 |
| 2,4-Dinitrotoluene | 80 | | 86 | | 48-143 | 7 | | 30 |
| 2,6-Dinitrotoluene | 73 | | 80 | | 40-140 | 9 | | 30 |
| Fluoranthene | 77 | | 81 | | 40-140 | 5 | | 30 |
| 4-Chlorophenyl phenyl ether | 77 | | 78 | | 40-140 | 1 | | 30 |
| 4-Bromophenyl phenyl ether | 73 | | 79 | | 40-140 | 8 | | 30 |
| Bis(2-chloroisopropyl)ether | 52 | | 53 | | 40-140 | 2 | | 30 |
| Bis(2-chloroethoxy)methane | 63 | | 64 | | 40-140 | 2 | | 30 |
| Hexachlorobutadiene | 70 | | 69 | | 40-140 | 1 | | 30 |
| Hexachlorocyclopentadiene | 70 | | 74 | | 40-140 | 6 | | 30 |
| Hexachloroethane | 59 | | 58 | | 40-140 | 2 | | 30 |
| Isophorone | 60 | | 61 | | 40-140 | 2 | | 30 |
| Naphthalene | 69 | | 70 | | 40-140 | 1 | | 30 |
| Nitrobenzene | 65 | | 66 | | 40-140 | 2 | | 30 |
| NDPA/DPA | 75 | | 81 | | 40-140 | 8 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1410776-2 WG1410776-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 62 | | 63 | | 29-132 | 2 | | 30 |
| Bis(2-ethylhexyl)phthalate | 72 | | 79 | | 40-140 | 9 | | 30 |
| Butyl benzyl phthalate | 74 | | 80 | | 40-140 | 8 | | 30 |
| Di-n-butylphthalate | 70 | | 76 | | 40-140 | 8 | | 30 |
| Di-n-octylphthalate | 76 | | 97 | | 40-140 | 24 | | 30 |
| Diethyl phthalate | 73 | | 78 | | 40-140 | 7 | | 30 |
| Dimethyl phthalate | 71 | | 78 | | 40-140 | 9 | | 30 |
| Benzo(a)anthracene | 84 | | 87 | | 40-140 | 4 | | 30 |
| Benzo(a)pyrene | 93 | | 99 | | 40-140 | 6 | | 30 |
| Benzo(b)fluoranthene | 92 | | 96 | | 40-140 | 4 | | 30 |
| Benzo(k)fluoranthene | 86 | | 96 | | 40-140 | 11 | | 30 |
| Chrysene | 81 | | 83 | | 40-140 | 2 | | 30 |
| Acenaphthylene | 76 | | 78 | | 45-123 | 3 | | 30 |
| Anthracene | 78 | | 82 | | 40-140 | 5 | | 30 |
| Benzo(ghi)perylene | 91 | | 92 | | 40-140 | 1 | | 30 |
| Fluorene | 77 | | 80 | | 40-140 | 4 | | 30 |
| Phenanthrene | 78 | | 81 | | 40-140 | 4 | | 30 |
| Dibenzo(a,h)anthracene | 89 | | 92 | | 40-140 | 3 | | 30 |
| Indeno(1,2,3-cd)pyrene | 92 | | 91 | | 40-140 | 1 | | 30 |
| Pyrene | 74 | | 79 | | 26-127 | 7 | | 30 |
| Biphenyl | 75 | | 78 | | 40-140 | 4 | | 30 |
| 4-Chloroaniline | 33 | Q | 54 | | 40-140 | 48 | Q | 30 |
| 2-Nitroaniline | 80 | | 83 | | 52-143 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1410776-2 WG1410776-3 | | | | | | | | |
| 3-Nitroaniline | 63 | | 76 | | 25-145 | 19 | | 30 |
| 4-Nitroaniline | 67 | | 78 | | 51-143 | 15 | | 30 |
| Dibenzofuran | 75 | | 80 | | 40-140 | 6 | | 30 |
| 2-Methylnaphthalene | 71 | | 73 | | 40-140 | 3 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 72 | | 75 | | 2-134 | 4 | | 30 |
| Acetophenone | 66 | | 63 | | 39-129 | 5 | | 30 |
| 2,4,6-Trichlorophenol | 76 | | 83 | | 30-130 | 9 | | 30 |
| p-Chloro-m-cresol | 74 | | 79 | | 23-97 | 7 | | 30 |
| 2-Chlorophenol | 70 | | 69 | | 27-123 | 1 | | 30 |
| 2,4-Dichlorophenol | 72 | | 74 | | 30-130 | 3 | | 30 |
| 2,4-Dimethylphenol | 30 | | 52 | | 30-130 | 54 | Q | 30 |
| 2-Nitrophenol | 92 | | 92 | | 30-130 | 0 | | 30 |
| 4-Nitrophenol | 59 | | 66 | | 10-80 | 11 | | 30 |
| 2,4-Dinitrophenol | 89 | | 91 | | 20-130 | 2 | | 30 |
| 4,6-Dinitro-o-cresol | 89 | | 94 | | 20-164 | 5 | | 30 |
| Pentachlorophenol | 66 | | 72 | | 9-103 | 9 | | 30 |
| Phenol | 53 | | 54 | | 12-110 | 2 | | 30 |
| 2-Methylphenol | 57 | | 65 | | 30-130 | 13 | | 30 |
| 3-Methylphenol/4-Methylphenol | 62 | | 69 | | 30-130 | 11 | | 30 |
| 2,4,5-Trichlorophenol | 79 | | 81 | | 30-130 | 3 | | 30 |
| Benzoic Acid | 76 | | 60 | | 10-164 | 24 | | 30 |
| Benzyl Alcohol | 62 | | 66 | | 26-116 | 6 | | 30 |
| Carbazole | 78 | | 84 | | 55-144 | 7 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1410776-2 WG1410776-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 58 | | 63 | | 21-120 |
| Phenol-d6 | 48 | | 52 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 67 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 76 | | 90 | | 10-120 |
| 4-Terphenyl-d14 | 72 | | 78 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1410779-2 WG1410779-3 | | | | | | | | |
| Acenaphthene | 82 | | 86 | | 40-140 | 5 | | 40 |
| 2-Chloronaphthalene | 85 | | 87 | | 40-140 | 2 | | 40 |
| Fluoranthene | 97 | | 98 | | 40-140 | 1 | | 40 |
| Hexachlorobutadiene | 74 | | 76 | | 40-140 | 3 | | 40 |
| Naphthalene | 82 | | 84 | | 40-140 | 2 | | 40 |
| Benzo(a)anthracene | 94 | | 96 | | 40-140 | 2 | | 40 |
| Benzo(a)pyrene | 105 | | 110 | | 40-140 | 5 | | 40 |
| Benzo(b)fluoranthene | 99 | | 102 | | 40-140 | 3 | | 40 |
| Benzo(k)fluoranthene | 104 | | 106 | | 40-140 | 2 | | 40 |
| Chrysene | 94 | | 95 | | 40-140 | 1 | | 40 |
| Acenaphthylene | 83 | | 85 | | 40-140 | 2 | | 40 |
| Anthracene | 95 | | 97 | | 40-140 | 2 | | 40 |
| Benzo(ghi)perylene | 100 | | 103 | | 40-140 | 3 | | 40 |
| Fluorene | 89 | | 91 | | 40-140 | 2 | | 40 |
| Phenanthrene | 91 | | 93 | | 40-140 | 2 | | 40 |
| Dibenzo(a,h)anthracene | 107 | | 108 | | 40-140 | 1 | | 40 |
| Indeno(1,2,3-cd)pyrene | 104 | | 105 | | 40-140 | 1 | | 40 |
| Pyrene | 96 | | 97 | | 40-140 | 1 | | 40 |
| 2-Methylnaphthalene | 85 | | 86 | | 40-140 | 1 | | 40 |
| Pentachlorophenol | 86 | | 101 | | 40-140 | 16 | | 40 |
| Hexachlorobenzene | 90 | | 93 | | 40-140 | 3 | | 40 |
| Hexachloroethane | 78 | | 81 | | 40-140 | 4 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1410779-2 WG1410779-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol | 61 | | 58 | | 21-120 |
| Phenol-d6 | 51 | | 48 | | 10-120 |
| Nitrobenzene-d5 | 76 | | 77 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 68 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 81 | | 10-120 |
| 4-Terphenyl-d14 | 77 | | 76 | | 41-149 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCS %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07-10 Batch: WG1410994-2 WG1410994-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 105 | | 108 | | 67-148 | 3 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 110 | | 113 | | 63-161 | 3 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 111 | | 114 | | 65-157 | 3 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 108 | | 111 | | 69-168 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 103 | | 104 | | 58-159 | 1 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 111 | | 113 | | 69-177 | 2 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 103 | | 108 | | 63-159 | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 116 | | 128 | | 49-187 | 10 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 106 | | 111 | | 61-179 | 5 | | 30 |
| Perfluorononanoic Acid (PFNA) | 105 | | 107 | | 68-171 | 2 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 113 | | 119 | | 52-151 | 5 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 101 | | 106 | | 63-171 | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 121 | | 110 | | 56-173 | 10 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 107 | | 115 | | 60-166 | 7 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 109 | | 116 | | 60-153 | 6 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 124 | | 121 | | 38-156 | 2 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 103 | | 106 | | 46-170 | 3 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 109 | | 122 | | 45-170 | 11 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 109 | | 106 | | 67-153 | 3 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 111 | | 112 | | 48-158 | 1 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 121 | | 126 | | 59-182 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07-10 Batch: WG1410994-2 WG1410994-3

| Surrogate (Extracted Internal Standard) | LCS | | LCSD | | Acceptance Criteria |
|--|-----------|------|-----------|------|------------------------|
| | %Recovery | Qual | %Recovery | Qual | |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 89 | | 90 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 110 | | 110 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 94 | | 96 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 97 | | 97 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 98 | | 99 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 92 | | 95 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 90 | | 93 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 41 | | 41 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 89 | | 93 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 91 | | 92 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 89 | | 88 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 41 | | 40 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 56 | | 52 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 89 | | 85 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 65 | | 67 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 57 | | 58 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 77 | | 79 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 62 | | 62 | | 33-143 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| 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 080_LMW-9 Associated sample(s): 07-10 QC Batch ID: WG1409316-4 WG1409316-5 QC Sample: L2037563-07 Client ID: | | | | | | | | | | | | |
| 1,4-Dioxane | ND | 5210 | 6090 | 117 | | 6200 | 119 | | 40-140 | 2 | | 30 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|----------------|---------------|--------------|----------------|---------------|---------------------|
| 1,4-Dioxane-d8 | 49 | | 48 | | 15-110 |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-09 QC Batch ID: WG1410449-4 WG1410449-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 18.2 | 8.8 | 48 | | 10 | 55 | | 39-98 | 13 | | 30 |
| Bis(2-chloroethyl)ether | ND | 18.2 | 7.6 | 42 | | 9.2 | 51 | | 40-140 | 19 | | 30 |
| 1,2-Dichlorobenzene | ND | 18.2 | 7.7 | 42 | | 9.3 | 51 | | 40-140 | 19 | | 30 |
| 1,3-Dichlorobenzene | ND | 18.2 | 7.7 | 42 | | 9.4 | 52 | | 40-140 | 20 | | 30 |
| 1,4-Dichlorobenzene | ND | 18.2 | 7.6 | 42 | | 9.4 | 52 | | 36-97 | 21 | | 30 |
| 3,3'-Dichlorobenzidine | ND | 18.2 | 8.0 | 44 | | 10 | 55 | | 40-140 | 22 | | 30 |
| 2,4-Dinitrotoluene | ND | 18.2 | 11 | 61 | | 14 | 77 | | 48-143 | 24 | | 30 |
| 2,6-Dinitrotoluene | ND | 18.2 | 11 | 61 | | 14 | 77 | | 40-140 | 24 | | 30 |
| 4-Chlorophenyl phenyl ether | ND | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 30 |
| 4-Bromophenyl phenyl ether | ND | 18.2 | 11 | 61 | | 14 | 77 | | 40-140 | 24 | | 30 |
| Bis(2-chloroisopropyl)ether | ND | 18.2 | 8.1 | 45 | | 9.6 | 53 | | 40-140 | 17 | | 30 |
| Bis(2-chloroethoxy)methane | ND | 18.2 | 8.8 | 48 | | 11 | 61 | | 40-140 | 22 | | 30 |
| Hexachlorocyclopentadiene | ND | 18.2 | 10.J | 55 | | 14.J | 77 | | 40-140 | 33 | Q | 30 |
| Isophorone | ND | 18.2 | 8.7 | 48 | | 10 | 55 | | 40-140 | 14 | | 30 |
| Nitrobenzene | ND | 18.2 | 8.8 | 48 | | 11 | 61 | | 40-140 | 22 | | 30 |
| NDPA/DPA | ND | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 30 |
| n-Nitrosodi-n-propylamine | ND | 18.2 | 8.9 | 49 | | 11 | 61 | | 29-132 | 21 | | 30 |
| Bis(2-ethylhexyl)phthalate | ND | 18.2 | 11 | 61 | | 12 | 66 | | 40-140 | 9 | | 30 |
| Butyl benzyl phthalate | ND | 18.2 | 12 | 66 | | 16 | 88 | | 40-140 | 29 | | 30 |
| Di-n-butylphthalate | ND | 18.2 | 9.8 | 54 | | 12 | 66 | | 40-140 | 20 | | 30 |
| Di-n-octylphthalate | ND | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 30 |
| Diethyl phthalate | ND | 18.2 | 10 | 55 | | 13 | 72 | | 40-140 | 26 | | 30 |
| Dimethyl phthalate | ND | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-09 QC Batch ID: WG1410449-4 WG1410449-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Biphenyl | ND | 18.2 | 9.2 | 51 | | 11 | 61 | | 40-140 | 18 | | 30 |
| 4-Chloroaniline | ND | 18.2 | 6.9 | 38 | Q | 11 | 61 | | 40-140 | 46 | Q | 30 |
| 2-Nitroaniline | ND | 18.2 | 10 | 55 | | 14 | 77 | | 52-143 | 33 | Q | 30 |
| 3-Nitroaniline | ND | 18.2 | 8.2 | 45 | | 12 | 66 | | 25-145 | 38 | Q | 30 |
| 4-Nitroaniline | ND | 18.2 | 9.0 | 50 | Q | 12 | 66 | | 51-143 | 29 | | 30 |
| Dibenzofuran | ND | 18.2 | 9.8 | 54 | | 11 | 61 | | 40-140 | 12 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | ND | 18.2 | 11 | 61 | | 14 | 77 | | 2-134 | 24 | | 30 |
| Acetophenone | ND | 18.2 | 8.4 | 46 | | 10 | 55 | | 39-129 | 17 | | 30 |
| 2,4,6-Trichlorophenol | ND | 18.2 | 12 | 66 | | 14 | 77 | | 30-130 | 15 | | 30 |
| p-Chloro-m-cresol | ND | 18.2 | 11 | 61 | | 14 | 77 | | 23-97 | 24 | | 30 |
| 2-Chlorophenol | ND | 18.2 | 8.9 | 49 | | 11 | 61 | | 27-123 | 21 | | 30 |
| 2,4-Dichlorophenol | ND | 18.2 | 10 | 55 | | 12 | 66 | | 30-130 | 18 | | 30 |
| 2,4-Dimethylphenol | ND | 18.2 | 6.3 | 35 | | 6.6 | 36 | | 30-130 | 5 | | 30 |
| 2-Nitrophenol | ND | 18.2 | 10 | 55 | | 13 | 72 | | 30-130 | 26 | | 30 |
| 4-Nitrophenol | ND | 18.2 | 10 | 55 | | 13 | 72 | | 10-80 | 26 | | 30 |
| 2,4-Dinitrophenol | ND | 18.2 | 13.J | 72 | | 17.J | 94 | | 20-130 | 27 | | 30 |
| 4,6-Dinitro-o-cresol | ND | 18.2 | 15 | 83 | | 18 | 99 | | 20-164 | 18 | | 30 |
| Phenol | ND | 18.2 | 5.9 | 32 | | 7.8 | 43 | | 12-110 | 28 | | 30 |
| 2-Methylphenol | ND | 18.2 | 8.3 | 46 | | 10 | 55 | | 30-130 | 19 | | 30 |
| 3-Methylphenol/4-Methylphenol | ND | 18.2 | 8.9 | 49 | | 11 | 61 | | 30-130 | 21 | | 30 |
| 2,4,5-Trichlorophenol | ND | 18.2 | 13 | 72 | | 15 | 83 | | 30-130 | 14 | | 30 |
| Benzoic Acid | ND | 18.2 | 9.7J | 53 | | 14.J | 77 | | 10-164 | 36 | Q | 30 |
| Benzyl Alcohol | ND | 18.2 | 8.7 | 48 | | 11 | 61 | | 26-116 | 23 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-09 QC Batch ID: WG1410449-4 WG1410449-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Carbazole | ND | 18.2 | 10 | 55 | | 12 | 66 | | 55-144 | 18 | | 30 |

| Surrogate | MS | | MSD | | Acceptance Criteria |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | |
| 2,4,6-Tribromophenol | 72 | | 89 | | 10-120 |
| 2-Fluorobiphenyl | 52 | | 65 | | 15-120 |
| 2-Fluorophenol | 38 | | 50 | | 21-120 |
| 4-Terphenyl-d14 | 58 | | 72 | | 41-149 |
| Nitrobenzene-d5 | 47 | | 58 | | 23-120 |
| Phenol-d6 | 37 | | 47 | | 10-120 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1410452-4 WG1410452-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Acenaphthene | 0.02J | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 40 |
| 2-Chloronaphthalene | ND | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 40 |
| Fluoranthene | ND | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| Hexachlorobutadiene | ND | 18.2 | 8.3 | 46 | | 9.8 | 54 | | 40-140 | 17 | | 40 |
| Naphthalene | ND | 18.2 | 9.3 | 51 | | 11 | 61 | | 40-140 | 17 | | 40 |
| Benzo(a)anthracene | ND | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| Benzo(a)pyrene | ND | 18.2 | 14 | 77 | | 16 | 88 | | 40-140 | 13 | | 40 |
| Benzo(b)fluoranthene | ND | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| Benzo(k)fluoranthene | ND | 18.2 | 13 | 72 | | 14 | 77 | | 40-140 | 7 | | 40 |
| Chrysene | ND | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 40 |
| Acenaphthylene | ND | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 40 |
| Anthracene | ND | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| Benzo(ghi)perylene | ND | 18.2 | 13 | 72 | | 15 | 83 | | 40-140 | 14 | | 40 |
| Fluorene | ND | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 40 |
| Phenanthrene | 0.04J | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 40 |
| Dibenzo(a,h)anthracene | ND | 18.2 | 14 | 77 | | 16 | 88 | | 40-140 | 13 | | 40 |
| Indeno(1,2,3-cd)pyrene | ND | 18.2 | 14 | 77 | | 16 | 88 | | 40-140 | 13 | | 40 |
| Pyrene | 0.03J | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| 2-Methylnaphthalene | ND | 18.2 | 10 | 55 | | 12 | 66 | | 40-140 | 18 | | 40 |
| Pentachlorophenol | ND | 18.2 | 12 | 66 | | 14 | 77 | | 40-140 | 15 | | 40 |
| Hexachlorobenzene | ND | 18.2 | 11 | 61 | | 13 | 72 | | 40-140 | 17 | | 40 |
| Hexachloroethane | ND | 18.2 | 8.7 | 48 | | 10 | 55 | | 40-140 | 14 | | 40 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

Semivolatiles Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1410452-4 WG1410452-5 QC Sample: L2037563-07
Client ID: 080_LMW-9

| Surrogate | MS | | MSD | | Acceptance Criteria |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | |
| 2,4,6-Tribromophenol | 65 | | 78 | | 10-120 |
| 2-Fluorobiphenyl | 51 | | 60 | | 15-120 |
| 2-Fluorophenol | 44 | | 56 | | 21-120 |
| 4-Terphenyl-d14 | 56 | | 65 | | 41-149 |
| Nitrobenzene-d5 | 54 | | 65 | | 23-120 |
| Phenol-d6 | 39 | | 50 | | 10-120 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-05,07-10 QC Batch ID: WG1410994-4 WG1410994-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 3.70 | 37.5 | 43.0 | 105 | | 42.8 | 105 | | 67-148 | 0 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 6.18 | 37.5 | 47.1 | 109 | | 47.7 | 111 | | 63-161 | 1 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 1.54J | 33.3 | 38.6 | 111 | | 38.8 | 112 | | 65-157 | 1 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 6.59 | 37.5 | 46.4 | 106 | | 46.5 | 107 | | 69-168 | 0 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 10.1 | 37.5 | 49.4 | 105 | | 49.3 | 105 | | 58-159 | 0 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.683J | 34.3 | 36.6 | 105 | | 38.0 | 109 | | 69-177 | 4 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 7.53 | 37.5 | 46.5 | 104 | | 47.5 | 107 | | 63-159 | 2 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | 35.7 | 37.7 | 106 | | 44.7 | 126 | | 49-187 | 17 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 35.7 | 38.0 | 106 | | 42.5 | 119 | | 61-179 | 11 | | 30 |
| Perfluorononanoic Acid (PFNA) | 0.591J | 37.5 | 40.8 | 107 | | 42.1 | 111 | | 68-171 | 3 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 6.86F | 34.8 | 45.1F | 110 | | 49.3F | 122 | | 52-151 | 9 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 0.303JF | 37.5 | 38.6 | 102 | | 41.7 | 111 | | 63-171 | 8 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 36 | 38.6F | 107 | | 43.2F | 120 | | 56-173 | 11 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 37.5 | 33.8 | 90 | | 45.8 | 122 | | 60-166 | 30 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 37.5 | 41.6 | 111 | | 46.3 | 124 | | 60-153 | 11 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 36.1 | 40.0 | 111 | | 44.0 | 122 | | 38-156 | 10 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 37.5 | 37.5 | 100 | | 40.9F | 109 | | 46-170 | 9 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 37.5 | 42.6 | 114 | | 45.9 | 123 | | 45-170 | 7 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 37.5 | 39.4 | 105 | | 44.6 | 119 | | 67-153 | 12 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 37.5 | 39.9 | 106 | | 42.4 | 113 | | 48-158 | 6 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 37.5 | 43.8 | 117 | | 47.5 | 127 | | 59-182 | 8 | | 30 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 01-05,07-10 QC Batch ID: WG1410994-4 WG1410994-5 QC Sample: L2037563-07 Client ID: 080_LMW-9

| Surrogate (Extracted Internal Standard) | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|--|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 41 | | 39 | | 7-170 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 42 | | 40 | | 1-244 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 44 | | 40 | | 23-146 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 48 | | 37 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 76 | | 73 | | 40-144 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 77 | | 75 | | 38-144 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 94 | | 99 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 92 | | 98 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 90 | | 96 | | 47-153 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 68 | | 65 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 55 | | 52 | | 33-143 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 79 | | 83 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 94 | | 100 | | 16-173 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 29 | | 24 | | 1-87 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 85 | | 84 | | 42-146 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 84 | | 86 | | 36-149 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 84 | | 84 | | 34-146 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 84 | | 90 | | 31-159 |

PCBS

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/15/20 15:01
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/15/20 15:10
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | A |
| Decachlorobiphenyl | 70 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/15/20 15:19
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 66 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/15/20 15:27
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | A |
| Decachlorobiphenyl | 58 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 57 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8082A
Analytical Date: 09/15/20 15:36
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/16/20 19:13
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 04:35
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | 0.045 | J | ug/l | 0.083 | 0.039 | 1 | B |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | 0.045 | J | ug/l | 0.083 | 0.032 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/16/20 19:35
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 04:35
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
Client ID: 082_LMW-8
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/16/20 19:43
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 04:35
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/16/20 19:50
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 04:35
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/20

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/15/20 14:01
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/14/20 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1409771-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/20 08:43
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/20

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-10 Batch: WG1410265-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.067 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.046 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.049 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.039 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.035 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.034 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.032 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | A |
| Decachlorobiphenyl | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | B |
| Decachlorobiphenyl | 66 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1409771-2 WG1409771-3 | | | | | | | | | |
| Aroclor 1016 | 67 | | 71 | | 40-140 | 5 | | 50 | A |
| Aroclor 1260 | 64 | | 67 | | 40-140 | 4 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 68 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 69 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 69 | | 30-150 | B |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-10 Batch: WG1410265-2 WG1410265-3 | | | | | | | | | |
| Aroclor 1016 | 64 | | 88 | | 40-140 | 32 | | 50 | A |
| Aroclor 1260 | 61 | | 83 | | 40-140 | 31 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 82 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 76 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 80 | | 30-150 | B |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-10 QC Batch ID: WG1410265-4 WG1410265-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | | |
| Aroclor 1016 | ND | 1.78 | 1.16 | 65 | | 1.30 | 73 | | 40-140 | 11 | | 50 | A |
| Aroclor 1260 | ND | 1.78 | 1.16 | 65 | | 1.29 | 72 | | 40-140 | 11 | | 50 | A |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 65 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 68 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 70 | | 30-150 | B |

PESTICIDES

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 21:22
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
Client ID: 073_LMW-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

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

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | B |
| Decachlorobiphenyl | 50 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01
 Client ID: 073_LMW-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/14/20 23:33
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|------|-------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 88 | | 30-150 | A |
| DCAA | 78 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 21:31
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
Client ID: 075_LMW-6
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
Date Received: 09/10/20
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 | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 59 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02
 Client ID: 075_LMW-6
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 10:20
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/14/20 23:51
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| 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 | 91 | | 30-150 | A |
| DCAA | 77 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
Client ID: 076_LMW-7
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 21:41
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-03

Date Collected: 09/10/20 11:55

Client ID: 076_LMW-7

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 71 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 64 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03
 Client ID: 076_LMW-7
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 11:55
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/15/20 00:09
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| 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 | 89 | | 30-150 | A |
| DCAA | 74 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
Client ID: 074_DUP-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 21:51
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 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 | 53 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 | B |
| Decachlorobiphenyl | 46 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04
 Client ID: 074_DUP-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:30
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/15/20 00:27
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| 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 | 91 | | 30-150 | A |
| DCAA | 78 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8081B
Analytical Date: 09/16/20 22:00
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
Client ID: 078_FB-1
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
Date Received: 09/10/20
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 | 67 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 55 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05
 Client ID: 078_FB-1
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 14:45
 Date Received: 09/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
 Analytical Method: 1,8151A
 Analytical Date: 09/15/20 00:45
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| 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 | 90 | | 30-150 | A |
| DCAA | 73 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 18:35
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 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 | 110 | | 30-150 | A |
| Decachlorobiphenyl | 88 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
 Client ID: 080_LMW-9
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/16/20 16:26
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/15/20 00:37

Methylation Date: 09/15/20 22:57

| 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 | 92 | | 30-150 | A |
| DCAA | 82 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 19:09
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 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 | 107 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 59 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
 Client ID: 081_LMW-4
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/16/20 17:20
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/15/20 00:37

Methylation Date: 09/15/20 22:57

| 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 | 85 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
Client ID: 082_LMW-8
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 19:21
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-09

Date Collected: 09/11/20 13:40

Client ID: 082_LMW-8

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 116 | | 30-150 | A |
| Decachlorobiphenyl | 91 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09
 Client ID: 082_LMW-8
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/16/20 17:38
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/15/20 00:37

Methylation Date: 09/15/20 22:57

| 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 | 46 | | 30-150 | A |
| DCAA | 43 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
Client ID: 083_LMW-3
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/16/20 19:32
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**SAMPLE RESULTS**

Lab ID: L2037563-10

Date Collected: 09/11/20 15:10

Client ID: 083_LMW-3

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 111 | | 30-150 | A |
| Decachlorobiphenyl | 109 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10
 Client ID: 083_LMW-3
 Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 15:10
 Date Received: 09/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8151A
 Analytical Date: 09/16/20 17:56
 Analyst: JMC

Extraction Method: EPA 8151A
 Extraction Date: 09/15/20 00:37

Methylation Date: 09/15/20 22:57

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|------|-------|-----------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab | | | | | | | |
| 2,4-D | ND | | ug/l | 10.0 | 0.498 | 1 | A |
| 2,4,5-T | ND | | ug/l | 2.00 | 0.531 | 1 | A |
| 2,4,5-TP (Silvex) | ND | | ug/l | 2.00 | 0.539 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA | 94 | | 30-150 | A |
| DCAA | 82 | | 30-150 | B |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/14/20 10:49
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/11/20 23:28

Methylation Date: 09/13/20 06:24

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1409100-1 | | | | | | |
| 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 | 53 | | 30-150 | A |
| DCAA | 69 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/20 14:38
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/15/20 00:37

Methylation Date: 09/15/20 22:57

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07-10 Batch: WG1409793-1 | | | | | | |
| 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 | 95 | | 30-150 | A |
| DCAA | 86 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/20 18:26
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1410060-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/20 18:26
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/15/20 12:49

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1410060-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | A |
| Decachlorobiphenyl | 59 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 55 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/20 18:01
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-10 Batch: WG1410365-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | A |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/20 18:01
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 09/16/20 05:12

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-10 Batch: WG1410365-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance | |
|------------------------------|-----------|-----------|------------|--------|
| | | | Criteria | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 131 | | 30-150 | A |
| Decachlorobiphenyl | 134 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 87 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 30-150 | B |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1409100-2 WG1409100-3 | | | | | | | | | |
| 2,4-D | 65 | | 70 | | 30-150 | 7 | | 25 | A |
| 2,4,5-T | 72 | | 77 | | 30-150 | 7 | | 25 | A |
| 2,4,5-TP (Silvex) | 77 | | 82 | | 30-150 | 6 | | 25 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 52 | | 58 | | 30-150 | A |
| DCAA | 79 | | 98 | | 30-150 | B |



Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07-10 Batch: WG1409793-2 WG1409793-3 | | | | | | | | | |
| 2,4-D | 100 | | 108 | | 30-150 | 8 | | 25 | A |
| 2,4,5-T | 106 | | 108 | | 30-150 | 2 | | 25 | A |
| 2,4,5-TP (Silvex) | 111 | | 107 | | 30-150 | 4 | | 25 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA | 105 | | 111 | | 30-150 | A |
| DCAA | 109 | | 125 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1410060-2 WG1410060-3 | | | | | | | | | |
| Delta-BHC | 44 | | 66 | | 30-150 | 40 | Q | 20 | A |
| Lindane | 45 | | 67 | | 30-150 | 40 | Q | 20 | A |
| Alpha-BHC | 47 | | 70 | | 30-150 | 38 | Q | 20 | A |
| Beta-BHC | 47 | | 66 | | 30-150 | 33 | Q | 20 | A |
| Heptachlor | 43 | | 67 | | 30-150 | 43 | Q | 20 | A |
| Aldrin | 43 | | 69 | | 30-150 | 46 | Q | 20 | A |
| Heptachlor epoxide | 43 | | 67 | | 30-150 | 43 | Q | 20 | A |
| Endrin | 44 | | 71 | | 30-150 | 46 | Q | 20 | A |
| Endrin aldehyde | 40 | | 59 | | 30-150 | 39 | Q | 20 | A |
| Endrin ketone | 44 | | 69 | | 30-150 | 45 | Q | 20 | A |
| Dieldrin | 46 | | 73 | | 30-150 | 45 | Q | 20 | A |
| 4,4'-DDE | 46 | | 73 | | 30-150 | 46 | Q | 20 | A |
| 4,4'-DDD | 49 | | 78 | | 30-150 | 46 | Q | 20 | A |
| 4,4'-DDT | 43 | | 69 | | 30-150 | 46 | Q | 20 | A |
| Endosulfan I | 41 | | 65 | | 30-150 | 44 | Q | 20 | A |
| Endosulfan II | 48 | | 72 | | 30-150 | 40 | Q | 20 | A |
| Endosulfan sulfate | 43 | | 67 | | 30-150 | 43 | Q | 20 | A |
| Methoxychlor | 44 | | 68 | | 30-150 | 43 | Q | 20 | A |
| cis-Chlordane | 41 | | 65 | | 30-150 | 44 | Q | 20 | A |
| trans-Chlordane | 42 | | 66 | | 30-150 | 44 | Q | 20 | A |

Lab Control Sample Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1410060-2 WG1410060-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 65 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 65 | | 30-150 | B |
| Decachlorobiphenyl | 38 | | 61 | | 30-150 | B |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-10 Batch: WG1410365-2 WG1410365-3 | | | | | | | | | |
| Delta-BHC | 118 | | 85 | | 30-150 | 33 | Q | 20 | A |
| Lindane | 123 | | 90 | | 30-150 | 31 | Q | 20 | A |
| Alpha-BHC | 129 | | 96 | | 30-150 | 29 | Q | 20 | A |
| Beta-BHC | 142 | | 104 | | 30-150 | 31 | Q | 20 | A |
| Heptachlor | 124 | | 87 | | 30-150 | 35 | Q | 20 | A |
| Aldrin | 113 | | 78 | | 30-150 | 37 | Q | 20 | A |
| Heptachlor epoxide | 123 | | 83 | | 30-150 | 39 | Q | 20 | A |
| Endrin | 128 | | 88 | | 30-150 | 37 | Q | 20 | A |
| Endrin aldehyde | 128 | | 84 | | 30-150 | 42 | Q | 20 | A |
| Endrin ketone | 137 | | 96 | | 30-150 | 35 | Q | 20 | A |
| Dieldrin | 129 | | 89 | | 30-150 | 37 | Q | 20 | A |
| 4,4'-DDE | 118 | | 79 | | 30-150 | 40 | Q | 20 | A |
| 4,4'-DDD | 134 | | 89 | | 30-150 | 40 | Q | 20 | A |
| 4,4'-DDT | 123 | | 87 | | 30-150 | 35 | Q | 20 | A |
| Endosulfan I | 140 | | 94 | | 30-150 | 39 | Q | 20 | A |
| Endosulfan II | 113 | | 86 | | 30-150 | 27 | Q | 20 | A |
| Endosulfan sulfate | 88 | | 96 | | 30-150 | 8 | | 20 | A |
| Methoxychlor | 154 | Q | 112 | | 30-150 | 32 | Q | 20 | A |
| cis-Chlordane | 112 | | 80 | | 30-150 | 33 | Q | 20 | A |
| trans-Chlordane | 109 | | 82 | | 30-150 | 29 | Q | 20 | A |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-10 Batch: WG1410365-2 WG1410365-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 143 | | 109 | | 30-150 | A |
| Decachlorobiphenyl | 130 | | 95 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 79 | | 30-150 | B |
| Decachlorobiphenyl | 103 | | 77 | | 30-150 | B |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| 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): 07-10 QC Batch ID: WG1409793-4 WG1409793-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | | |
| 2,4-D | ND | 5 | 5.31J | 106 | | 5.34J | 107 | | 30-150 | 1 | | 25 | A |
| 2,4,5-T | ND | 5 | 5.22 | 104 | | 5.19 | 104 | | 30-150 | 1 | | 25 | A |
| 2,4,5-TP (Silvex) | ND | 5 | 5.82 | 116 | | 5.26 | 105 | | 30-150 | 10 | | 25 | A |

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| DCAA | 97 | | 96 | | 30-150 | A |
| DCAA | 75 | | 60 | | 30-150 | B |



Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab ID: 080_LMW-9 Associated sample(s): 07-10 QC Batch ID: WG1410365-4 WG1410365-5 QC Sample: L2037563-07 Client | | | | | | | | | | | | | |
| Delta-BHC | ND | 0.357 | 0.322 | 90 | | 0.342 | 96 | | 30-150 | 6 | | 30 | A |
| Lindane | ND | 0.357 | 0.347 | 97 | | 0.359 | 101 | | 30-150 | 3 | | 30 | A |
| Alpha-BHC | ND | 0.357 | 0.365 | 102 | | 0.362 | 101 | | 30-150 | 1 | | 30 | A |
| Beta-BHC | ND | 0.357 | 0.389 | 109 | | 0.414 | 116 | | 30-150 | 6 | | 30 | A |
| Heptachlor | ND | 0.357 | 0.331 | 93 | | 0.352 | 99 | | 30-150 | 6 | | 30 | A |
| Aldrin | ND | 0.357 | 0.296 | 83 | | 0.326 | 91 | | 30-150 | 10 | | 30 | A |
| Heptachlor epoxide | ND | 0.357 | 0.310 | 87 | | 0.339 | 95 | | 30-150 | 9 | | 30 | A |
| Endrin | ND | 0.357 | 0.329 | 92 | | 0.362 | 101 | | 30-150 | 10 | | 30 | A |
| Endrin aldehyde | ND | 0.357 | 0.306 | 86 | | 0.355 | 99 | | 30-150 | 15 | | 30 | A |
| Endrin ketone | ND | 0.357 | 0.351 | 98 | | 0.381 | 107 | | 30-150 | 8 | | 30 | A |
| Dieldrin | ND | 0.357 | 0.330 | 92 | | 0.363 | 102 | | 30-150 | 10 | | 30 | A |
| 4,4'-DDE | ND | 0.357 | 0.292 | 82 | | 0.328 | 92 | | 30-150 | 12 | | 30 | A |
| 4,4'-DDD | ND | 0.357 | 0.329 | 92 | | 0.358 | 100 | | 30-150 | 8 | | 30 | A |
| 4,4'-DDT | ND | 0.357 | 0.316 | 88 | | 0.354 | 99 | | 30-150 | 11 | | 30 | A |
| Endosulfan I | ND | 0.357 | 0.352 | 99 | | 0.389 | 109 | | 30-150 | 10 | | 30 | A |
| Endosulfan II | ND | 0.357 | 0.317 | 89 | | 0.341 | 96 | | 30-150 | 7 | | 30 | A |
| Endosulfan sulfate | ND | 0.357 | 0.353 | 99 | | 0.388 | 109 | | 30-150 | 9 | | 30 | A |
| Methoxychlor | ND | 0.357 | 0.400 | 112 | | 0.451 | 126 | | 30-150 | 12 | | 30 | A |
| cis-Chlordane | ND | 0.357 | 0.295 | 83 | | 0.326 | 91 | | 30-150 | 10 | | 30 | A |
| trans-Chlordane | ND | 0.357 | 0.302 | 85 | | 0.336 | 94 | | 30-150 | 11 | | 30 | A |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-10 QC Batch ID: WG1410365-4 WG1410365-5 QC Sample: L2037563-07 Client ID: 080_LMW-9

| Surrogate | MS | | MSD | | Acceptance Criteria | Column |
|------------------------------|-------------------|------------------|-------------------|------------------|--------------------------------|---------------|
| | % Recovery | Qualifier | % Recovery | Qualifier | | |
| 2,4,5,6-Tetrachloro-m-xylene | 115 | | 118 | | 30-150 | A |
| Decachlorobiphenyl | 96 | | 100 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 80 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 79 | | 30-150 | B |

METALS

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01

Date Collected: 09/10/20 08:25

Client ID: 073_LMW-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.0208 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00032 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1749 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 118. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 1.88 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 19.9 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.6416 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:42 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 13.4 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 52.5 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 12:55 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 12:55 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01

Date Collected: 09/10/20 08:25

Client ID: 073_LMW-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00139 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00031 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.1354 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 123. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.0426 | J | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 20.0 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.6605 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 20:19 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 13.6 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 52.9 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | 0.00024 | J | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 09:55 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02

Date Collected: 09/10/20 10:20

Client ID: 075_LMW-6

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.0293 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00176 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1052 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 93.8 | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00037 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.00023 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 2.92 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.00118 | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 24.0 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.4898 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:44 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 16.2 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 55.2 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.00812 | J | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 13:00 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 13:00 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02

Date Collected: 09/10/20 10:20

Client ID: 075_LMW-6

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00070 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00156 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.06812 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 102. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | 0.00022 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.0606 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 24.9 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.5053 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 20:21 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 17.0 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 57.0 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 10:00 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03

Date Collected: 09/10/20 11:55

Client ID: 076_LMW-7

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.0366 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00068 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1787 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 81.9 | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00023 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.00020 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.00051 | J | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 3.74 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.00317 | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 18.7 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.4861 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:47 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | 0.00068 | J | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 15.5 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 67.6 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.00359 | J | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 13:05 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 13:05 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03

Date Collected: 09/10/20 11:55

Client ID: 076_LMW-7

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | 0.0119 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00047 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00053 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.1405 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 91.8 | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | 0.00018 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | 0.00019 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.0322 | J | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 19.6 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.5140 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 20:23 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | 0.00063 | J | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 17.0 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 72.3 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | 0.00569 | J | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 10:05 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04

Date Collected: 09/10/20 08:30

Client ID: 074_DUP-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.0247 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00031 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1712 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 115. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00024 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 1.93 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.00046 | J | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 19.4 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.6390 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:49 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 13.2 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 51.0 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 13:10 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 13:10 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04

Date Collected: 09/10/20 08:30

Client ID: 074_DUP-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00030 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.1422 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 129. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.0545 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 21.1 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.6856 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 20:25 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 14.4 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 55.7 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 10:10 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05

Date Collected: 09/10/20 14:45

Client ID: 078_FB-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|--|--------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:51 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | ND | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 12:30 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 12:30 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05

Date Collected: 09/10/20 14:45

Client ID: 078_FB-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00051 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | ND | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | ND | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 20:28 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 09:35 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07

Date Collected: 09/11/20 10:05

Client ID: 080_LMW-9

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.00631 | J | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00044 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1609 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 104. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.00030 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 3.01 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 16.1 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.4257 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:14 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 11.0 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 36.8 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.00347 | J | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 11:12 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 11:12 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07

Date Collected: 09/11/20 10:05

Client ID: 080_LMW-9

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | 0.00452 | J | mg/l | 0.0100 | 0.00327 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00250 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00029 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.1495 | | mg/l | 0.00050 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 107. | | mg/l | 0.100 | 0.0394 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | 0.00030 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.896 | | mg/l | 0.0500 | 0.0191 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 16.4 | | mg/l | 0.0700 | 0.0242 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.4221 | | mg/l | 0.00100 | 0.00044 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/17/20 09:50 | 09/17/20 16:49 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 11.1 | | mg/l | 0.100 | 0.0309 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 37.4 | | mg/l | 0.100 | 0.0293 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | 0.00022 | J | mg/l | 0.00050 | 0.00014 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/17/20 09:47 | 09/17/20 15:08 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08

Date Collected: 09/11/20 12:05

Client ID: 081_LMW-4

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 3.47 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | 0.00420 | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00541 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.2818 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | 0.00017 | J | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | 0.00013 | J | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 230. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00706 | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.00361 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.01784 | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 12.6 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.1176 | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 96.1 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.6690 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | 0.00263 | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:56 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | 0.00895 | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 34.0 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | 0.00303 | J | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 139. | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | 0.00015 | J | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | 0.00939 | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.06590 | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 14:35 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 14:35 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08

Date Collected: 09/11/20 12:05

Client ID: 081_LMW-4

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | 0.00977 | J | mg/l | 0.0100 | 0.00327 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00638 | | mg/l | 0.00400 | 0.00042 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00479 | | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.1337 | | mg/l | 0.00050 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 235. | | mg/l | 0.100 | 0.0394 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | 0.00246 | | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.0560 | | mg/l | 0.0500 | 0.0191 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | 0.00053 | J | mg/l | 0.00100 | 0.00034 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 104. | | mg/l | 0.0700 | 0.0242 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.5798 | | mg/l | 0.00100 | 0.00044 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/17/20 09:50 | 09/17/20 16:56 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | 0.00393 | | mg/l | 0.00200 | 0.00055 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 37.1 | | mg/l | 0.100 | 0.0309 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 154. | | mg/l | 0.100 | 0.0293 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/17/20 09:47 | 09/17/20 15:13 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09

Date Collected: 09/11/20 13:40

Client ID: 082_LMW-8

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 1.92 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | 0.00206 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00329 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.2768 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | 0.00021 | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 200. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00415 | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.00408 | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.01349 | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 4.21 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.06860 | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 118. | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.4291 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | 0.00077 | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 19:03 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | 0.00866 | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 32.2 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | 0.00314 | J | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 186. | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | 0.00656 | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.07729 | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 14:40 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 14:40 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09

Date Collected: 09/11/20 13:40

Client ID: 082_LMW-8

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|----------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | 0.0756 | | mg/l | 0.0100 | 0.00327 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | 0.00123 | J | mg/l | 0.00400 | 0.00042 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00128 | | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.2278 | | mg/l | 0.00050 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 203. | | mg/l | 0.100 | 0.0394 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | 0.00019 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | 0.00177 | | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | 0.00086 | J | mg/l | 0.00100 | 0.00038 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 0.185 | | mg/l | 0.0500 | 0.0191 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | 0.00254 | | mg/l | 0.00100 | 0.00034 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 117. | | mg/l | 0.0700 | 0.0242 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.4475 | | mg/l | 0.00100 | 0.00044 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/17/20 09:50 | 09/17/20 16:58 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | 0.00320 | | mg/l | 0.00200 | 0.00055 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 33.8 | | mg/l | 0.100 | 0.0309 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 182. | | mg/l | 0.100 | 0.0293 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | 0.02480 | | mg/l | 0.01000 | 0.00341 | 1 | 09/17/20 09:47 | 09/17/20 15:17 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10

Date Collected: 09/11/20 15:10

Client ID: 083_LMW-3

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 | 0.0199 | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.00028 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.2424 | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 121. | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.00021 | J | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.00039 | J | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 5.92 | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.00104 | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 22.5 | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 0.6750 | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 19:05 | EPA 7470A | 1,7470A | AL |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 13.8 | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 43.9 | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 14:44 | EPA 3005A | 1,6020B | AM |
| General Chemistry - Mansfield Lab | | | | | | | | | | | |
| Chromium, Trivalent | ND | | mg/l | 0.010 | 0.010 | 1 | | 09/16/20 14:44 | NA | 107,- | |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10

Date Collected: 09/11/20 15:10

Client ID: 083_LMW-3

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, 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 |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Arsenic, Dissolved | 0.00019 | J | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Barium, Dissolved | 0.2057 | | mg/l | 0.00050 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Calcium, Dissolved | 124. | | mg/l | 0.100 | 0.0394 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Iron, Dissolved | 2.32 | | mg/l | 0.0500 | 0.0191 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Magnesium, Dissolved | 22.2 | | mg/l | 0.0700 | 0.0242 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Manganese, Dissolved | 0.6710 | | mg/l | 0.00100 | 0.00044 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00009 | 1 | 09/17/20 09:50 | 09/17/20 17:00 | EPA 7470A | 1,7470A | AL |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Potassium, Dissolved | 13.9 | | mg/l | 0.100 | 0.0309 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Sodium, Dissolved | 43.3 | | mg/l | 0.100 | 0.0293 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00014 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/17/20 09:47 | 09/17/20 15:22 | EPA 3005A | 1,6020B | AM |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

Method Blank Analysis Batch Quality Control

| Parameter | Result Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|------------------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-05,07-10 Batch: WG1410063-1 | | | | | | | | | |
| Aluminum, Total | ND | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Antimony, Total | ND | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Arsenic, Total | ND | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Barium, Total | ND | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Beryllium, Total | ND | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Cadmium, Total | ND | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Calcium, Total | ND | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Chromium, Total | ND | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Cobalt, Total | ND | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Copper, Total | ND | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Iron, Total | ND | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Lead, Total | ND | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Magnesium, Total | ND | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Manganese, Total | ND | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Nickel, Total | ND | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Potassium, Total | ND | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Selenium, Total | ND | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Silver, Total | ND | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Sodium, Total | ND | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Thallium, Total | ND | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Vanadium, Total | ND | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | AM |
| Zinc, Total | ND | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 03:30 | 09/16/20 10:33 | 1,6020B | 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): 01-05,07-10 Batch: WG1410065-1 | | | | | | | | | |
| Mercury, Total | ND | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 06:44 | 09/16/20 18:10 | 1,7470A | AL |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

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): 01-05 Batch: WG1410068-1 | | | | | | | | | | |
| Aluminum, Dissolved | ND | | mg/l | 0.0100 | 0.00327 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Antimony, Dissolved | ND | | mg/l | 0.00400 | 0.00042 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Arsenic, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Barium, Dissolved | ND | | mg/l | 0.00050 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00010 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0394 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00017 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Cobalt, Dissolved | ND | | mg/l | 0.00050 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00038 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0191 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00034 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0242 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Manganese, Dissolved | ND | | mg/l | 0.00100 | 0.00044 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Nickel, Dissolved | ND | | mg/l | 0.00200 | 0.00055 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0309 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00173 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00016 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0293 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Thallium, Dissolved | 0.00016 | J | mg/l | 0.00050 | 0.00014 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00157 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00341 | 1 | 09/16/20 16:32 | 09/17/20 08:29 | 1,6020B | AM |

Prep Information

Digestion Method: EPA 3005A



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

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): 01-05 Batch: WG1410069-1 | | | | | | | | | |
| Mercury, Dissolved | ND | mg/l | 0.00020 | 0.00009 | 1 | 09/16/20 16:55 | 09/16/20 19:56 | 1,7470A | AL |

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): 07-10 Batch: WG1410661-1 | | | | | | | | | |
| Aluminum, Dissolved | ND | mg/l | 0.0100 | 0.00327 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Antimony, Dissolved | ND | mg/l | 0.00400 | 0.00042 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Arsenic, Dissolved | ND | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Barium, Dissolved | ND | mg/l | 0.00050 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Beryllium, Dissolved | ND | mg/l | 0.00050 | 0.00010 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Cadmium, Dissolved | ND | mg/l | 0.00020 | 0.00005 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Calcium, Dissolved | ND | mg/l | 0.100 | 0.0394 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Chromium, Dissolved | ND | mg/l | 0.00100 | 0.00017 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Cobalt, Dissolved | ND | mg/l | 0.00050 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Copper, Dissolved | ND | mg/l | 0.00100 | 0.00038 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Iron, Dissolved | ND | mg/l | 0.0500 | 0.0191 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Lead, Dissolved | ND | mg/l | 0.00100 | 0.00034 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Magnesium, Dissolved | ND | mg/l | 0.0700 | 0.0242 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Manganese, Dissolved | ND | mg/l | 0.00100 | 0.00044 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Nickel, Dissolved | ND | mg/l | 0.00200 | 0.00055 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Potassium, Dissolved | ND | mg/l | 0.100 | 0.0309 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Selenium, Dissolved | ND | mg/l | 0.00500 | 0.00173 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Silver, Dissolved | ND | mg/l | 0.00040 | 0.00016 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Sodium, Dissolved | ND | mg/l | 0.100 | 0.0293 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Thallium, Dissolved | 0.00014 | J mg/l | 0.00050 | 0.00014 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Vanadium, Dissolved | ND | mg/l | 0.00500 | 0.00157 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |
| Zinc, Dissolved | ND | mg/l | 0.01000 | 0.00341 | 1 | 09/17/20 09:47 | 09/17/20 14:43 | 1,6020B | AM |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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 |
|--|------------------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Mansfield Lab for sample(s): 07-10 Batch: WG1410662-1 | | | | | | | | | |
| Mercury, Dissolved | ND | mg/l | 0.00020 | 0.00009 | 1 | 09/17/20 09:50 | 09/17/20 16:44 | 1,7470A | AL |

Prep Information

Digestion Method: EPA 7470A



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS | | LCSD | | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
| | %Recovery | Qual | %Recovery | Qual | | | | |
| Total Metals - Mansfield Lab Associated sample(s): 01-05,07-10 Batch: WG1410063-2 | | | | | | | | |
| Aluminum, Total | 104 | | - | | 80-120 | - | | |
| Antimony, Total | 102 | | - | | 80-120 | - | | |
| Arsenic, Total | 108 | | - | | 80-120 | - | | |
| Barium, Total | 107 | | - | | 80-120 | - | | |
| Beryllium, Total | 96 | | - | | 80-120 | - | | |
| Cadmium, Total | 111 | | - | | 80-120 | - | | |
| Calcium, Total | 102 | | - | | 80-120 | - | | |
| Chromium, Total | 103 | | - | | 80-120 | - | | |
| Cobalt, Total | 103 | | - | | 80-120 | - | | |
| Copper, Total | 103 | | - | | 80-120 | - | | |
| Iron, Total | 103 | | - | | 80-120 | - | | |
| Lead, Total | 112 | | - | | 80-120 | - | | |
| Magnesium, Total | 107 | | - | | 80-120 | - | | |
| Manganese, Total | 105 | | - | | 80-120 | - | | |
| Nickel, Total | 100 | | - | | 80-120 | - | | |
| Potassium, Total | 104 | | - | | 80-120 | - | | |
| Selenium, Total | 114 | | - | | 80-120 | - | | |
| Silver, Total | 107 | | - | | 80-120 | - | | |
| Sodium, Total | 103 | | - | | 80-120 | - | | |
| Thallium, Total | 108 | | - | | 80-120 | - | | |
| Vanadium, Total | 103 | | - | | 80-120 | - | | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-05,07-10 Batch: WG1410063-2 | | | | | |
| Zinc, Total | 113 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-05,07-10 Batch: WG1410065-2 | | | | | |
| Mercury, Total | 108 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1410068-2 | | | | | |
| Aluminum, Dissolved | 106 | - | 80-120 | - | |
| Antimony, Dissolved | 94 | - | 80-120 | - | |
| Arsenic, Dissolved | 110 | - | 80-120 | - | |
| Barium, Dissolved | 108 | - | 80-120 | - | |
| Beryllium, Dissolved | 102 | - | 80-120 | - | |
| Cadmium, Dissolved | 112 | - | 80-120 | - | |
| Calcium, Dissolved | 106 | - | 80-120 | - | |
| Chromium, Dissolved | 106 | - | 80-120 | - | |
| Cobalt, Dissolved | 105 | - | 80-120 | - | |
| Copper, Dissolved | 105 | - | 80-120 | - | |
| Iron, Dissolved | 109 | - | 80-120 | - | |
| Lead, Dissolved | 110 | - | 80-120 | - | |
| Magnesium, Dissolved | 110 | - | 80-120 | - | |
| Manganese, Dissolved | 106 | - | 80-120 | - | |
| Nickel, Dissolved | 102 | - | 80-120 | - | |
| Potassium, Dissolved | 105 | - | 80-120 | - | |
| Selenium, Dissolved | 108 | - | 80-120 | - | |
| Silver, Dissolved | 110 | - | 80-120 | - | |
| Sodium, Dissolved | 106 | - | 80-120 | - | |
| Thallium, Dissolved | 106 | - | 80-120 | - | |
| Vanadium, Dissolved | 104 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1410068-2 | | | | | |
| Zinc, Dissolved | 114 | - | 80-120 | - | |
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1410069-2 | | | | | |
| Mercury, Dissolved | 102 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 07-10 Batch: WG1410661-2 | | | | | |
| Aluminum, Dissolved | 107 | - | 80-120 | - | |
| Antimony, Dissolved | 96 | - | 80-120 | - | |
| Arsenic, Dissolved | 108 | - | 80-120 | - | |
| Barium, Dissolved | 112 | - | 80-120 | - | |
| Beryllium, Dissolved | 87 | - | 80-120 | - | |
| Cadmium, Dissolved | 115 | - | 80-120 | - | |
| Calcium, Dissolved | 102 | - | 80-120 | - | |
| Chromium, Dissolved | 100 | - | 80-120 | - | |
| Cobalt, Dissolved | 100 | - | 80-120 | - | |
| Copper, Dissolved | 102 | - | 80-120 | - | |
| Iron, Dissolved | 103 | - | 80-120 | - | |
| Lead, Dissolved | 114 | - | 80-120 | - | |
| Magnesium, Dissolved | 108 | - | 80-120 | - | |
| Manganese, Dissolved | 103 | - | 80-120 | - | |
| Nickel, Dissolved | 98 | - | 80-120 | - | |
| Potassium, Dissolved | 105 | - | 80-120 | - | |
| Selenium, Dissolved | 113 | - | 80-120 | - | |
| Silver, Dissolved | 111 | - | 80-120 | - | |
| Sodium, Dissolved | 103 | - | 80-120 | - | |
| Thallium, Dissolved | 107 | - | 80-120 | - | |
| Vanadium, Dissolved | 100 | - | 80-120 | - | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 07-10 Batch: WG1410661-2 | | | | | |
| Zinc, Dissolved | 111 | - | 80-120 | - | |
| Dissolved Metals - Mansfield Lab Associated sample(s): 07-10 Batch: WG1410662-2 | | | | | |
| Mercury, Dissolved | 108 | - | 80-120 | - | |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-05,07-10 QC Batch ID: WG1410063-3 WG1410063-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Aluminum, Total | 0.00631J | 2 | 2.01 | 100 | | 2.11 | 106 | | 75-125 | 5 | | 20 |
| Antimony, Total | ND | 0.5 | 0.5025 | 100 | | 0.5280 | 106 | | 75-125 | 5 | | 20 |
| Arsenic, Total | 0.00044J | 0.12 | 0.1281 | 107 | | 0.1316 | 110 | | 75-125 | 3 | | 20 |
| Barium, Total | 0.1609 | 2 | 2.267 | 105 | | 2.350 | 109 | | 75-125 | 4 | | 20 |
| Beryllium, Total | ND | 0.05 | 0.05820 | 116 | | 0.05152 | 103 | | 75-125 | 12 | | 20 |
| Cadmium, Total | ND | 0.051 | 0.05653 | 111 | | 0.05804 | 114 | | 75-125 | 3 | | 20 |
| Calcium, Total | 104. | 10 | 110 | 60 | Q | 115 | 110 | | 75-125 | 4 | | 20 |
| Chromium, Total | ND | 0.2 | 0.1998 | 100 | | 0.2092 | 105 | | 75-125 | 5 | | 20 |
| Cobalt, Total | 0.00030J | 0.5 | 0.4994 | 100 | | 0.5150 | 103 | | 75-125 | 3 | | 20 |
| Copper, Total | ND | 0.25 | 0.2480 | 99 | | 0.2579 | 103 | | 75-125 | 4 | | 20 |
| Iron, Total | 3.01 | 1 | 4.04 | 103 | | 4.12 | 111 | | 75-125 | 2 | | 20 |
| Lead, Total | ND | 0.51 | 0.5613 | 110 | | 0.5820 | 114 | | 75-125 | 4 | | 20 |
| Magnesium, Total | 16.1 | 10 | 26.0 | 99 | | 27.4 | 113 | | 75-125 | 5 | | 20 |
| Manganese, Total | 0.4257 | 0.5 | 0.9176 | 98 | | 0.9444 | 104 | | 75-125 | 3 | | 20 |
| Nickel, Total | ND | 0.5 | 0.4773 | 95 | | 0.4983 | 100 | | 75-125 | 4 | | 20 |
| Potassium, Total | 11.0 | 10 | 20.4 | 94 | | 21.3 | 103 | | 75-125 | 4 | | 20 |
| Selenium, Total | ND | 0.12 | 0.137 | 114 | | 0.137 | 114 | | 75-125 | 0 | | 20 |
| Silver, Total | ND | 0.05 | 0.05306 | 106 | | 0.05521 | 110 | | 75-125 | 4 | | 20 |
| Sodium, Total | 36.8 | 10 | 43.7 | 69 | Q | 45.8 | 90 | | 75-125 | 5 | | 20 |
| Thallium, Total | ND | 0.12 | 0.1306 | 109 | | 0.1328 | 111 | | 75-125 | 2 | | 20 |
| Vanadium, Total | ND | 0.5 | 0.4968 | 99 | | 0.5171 | 103 | | 75-125 | 4 | | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| 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): 01-05,07-10 QC Batch ID: WG1410063-3 WG1410063-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | |
| Zinc, Total | 0.00347J | 0.5 | 0.5472 | 109 | 0.5666 | 113 | 75-125 | 3 | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-05,07-10 QC Batch ID: WG1410065-3 WG1410065-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00508 | 102 | 0.00527 | 106 | 75-125 | 4 | 20 |



Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| 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): 01-05 QC Batch ID: WG1410068-3 QC Sample: L2037453-01 Client ID: MS Sample | | | | | | | | | |
| Aluminum, Dissolved | 0.0446 | 2 | 2.19 | 107 | - | - | 75-125 | - | 20 |
| Antimony, Dissolved | 0.00786 | 0.5 | 0.5230 | 103 | - | - | 75-125 | - | 20 |
| Arsenic, Dissolved | 0.00794 | 0.12 | 0.1372 | 108 | - | - | 75-125 | - | 20 |
| Barium, Dissolved | 0.09892 | 2 | 2.266 | 108 | - | - | 75-125 | - | 20 |
| Beryllium, Dissolved | ND | 0.05 | 0.05736 | 115 | - | - | 75-125 | - | 20 |
| Cadmium, Dissolved | 0.00057 | 0.051 | 0.05810 | 113 | - | - | 75-125 | - | 20 |
| Calcium, Dissolved | 112. | 10 | 124 | 120 | - | - | 75-125 | - | 20 |
| Chromium, Dissolved | 0.00053J | 0.2 | 0.2103 | 105 | - | - | 75-125 | - | 20 |
| Cobalt, Dissolved | 0.00515 | 0.5 | 0.5275 | 104 | - | - | 75-125 | - | 20 |
| Copper, Dissolved | 0.00463 | 0.25 | 0.2731 | 107 | - | - | 75-125 | - | 20 |
| Iron, Dissolved | 0.414 | 1 | 1.56 | 115 | - | - | 75-125 | - | 20 |
| Lead, Dissolved | 0.00717 | 0.51 | 0.5783 | 112 | - | - | 75-125 | - | 20 |
| Magnesium, Dissolved | 11.7 | 10 | 22.9 | 112 | - | - | 75-125 | - | 20 |
| Manganese, Dissolved | 1.975 | 0.5 | 2.496 | 104 | - | - | 75-125 | - | 20 |
| Nickel, Dissolved | 0.01421 | 0.5 | 0.5165 | 100 | - | - | 75-125 | - | 20 |
| Potassium, Dissolved | 24.3 | 10 | 34.8 | 105 | - | - | 75-125 | - | 20 |
| Selenium, Dissolved | 0.00214J | 0.12 | 0.138 | 115 | - | - | 75-125 | - | 20 |
| Silver, Dissolved | ND | 0.05 | 0.05460 | 109 | - | - | 75-125 | - | 20 |
| Sodium, Dissolved | 36.1 | 10 | 44.5 | 84 | - | - | 75-125 | - | 20 |
| Thallium, Dissolved | 0.00030J | 0.12 | 0.1297 | 108 | - | - | 75-125 | - | 20 |
| Vanadium, Dissolved | ND | 0.5 | 0.5153 | 103 | - | - | 75-125 | - | 20 |

Matrix Spike Analysis
Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 01-05 QC Batch ID: WG1410068-3 QC Sample: L2037453-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Dissolved | 0.1456 | 0.5 | 0.7370 | 118 | - | - | 75-125 | - | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1410069-3 QC Sample: L2037453-01 Client ID: MS Sample | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00501 | 100 | - | - | 75-125 | - | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

| 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): 07-10 QC Batch ID: WG1410661-3 WG1410661-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | |
| Aluminum, Dissolved | 0.00452J | 2 | 2.12 | 106 | 2.19 | 110 | 75-125 | 3 | 20 |
| Antimony, Dissolved | 0.00250J | 0.5 | 0.5120 | 102 | 0.5296 | 106 | 75-125 | 3 | 20 |
| Arsenic, Dissolved | 0.00029J | 0.12 | 0.1327 | 110 | 0.1342 | 112 | 75-125 | 1 | 20 |
| Barium, Dissolved | 0.1495 | 2 | 2.334 | 109 | 2.398 | 112 | 75-125 | 3 | 20 |
| Beryllium, Dissolved | ND | 0.05 | 0.05450 | 109 | 0.05128 | 102 | 75-125 | 6 | 20 |
| Cadmium, Dissolved | ND | 0.051 | 0.05753 | 113 | 0.05948 | 117 | 75-125 | 3 | 20 |
| Calcium, Dissolved | 107. | 10 | 116 | 90 | 119 | 120 | 75-125 | 3 | 20 |
| Chromium, Dissolved | ND | 0.2 | 0.1956 | 98 | 0.2042 | 102 | 75-125 | 4 | 20 |
| Cobalt, Dissolved | 0.00030J | 0.5 | 0.4924 | 98 | 0.5091 | 102 | 75-125 | 3 | 20 |
| Copper, Dissolved | ND | 0.25 | 0.2499 | 100 | 0.2553 | 102 | 75-125 | 2 | 20 |
| Iron, Dissolved | 0.896 | 1 | 2.05 | 115 | 1.94 | 104 | 75-125 | 6 | 20 |
| Lead, Dissolved | ND | 0.51 | 0.5728 | 112 | 0.5853 | 115 | 75-125 | 2 | 20 |
| Magnesium, Dissolved | 16.4 | 10 | 27.0 | 106 | 28.1 | 117 | 75-125 | 4 | 20 |
| Manganese, Dissolved | 0.4221 | 0.5 | 0.9248 | 100 | 0.9509 | 106 | 75-125 | 3 | 20 |
| Nickel, Dissolved | ND | 0.5 | 0.4696 | 94 | 0.4883 | 98 | 75-125 | 4 | 20 |
| Potassium, Dissolved | 11.1 | 10 | 21.2 | 101 | 21.9 | 108 | 75-125 | 3 | 20 |
| Selenium, Dissolved | ND | 0.12 | 0.137 | 114 | 0.138 | 115 | 75-125 | 1 | 20 |
| Silver, Dissolved | ND | 0.05 | 0.05495 | 110 | 0.05615 | 112 | 75-125 | 2 | 20 |
| Sodium, Dissolved | 37.4 | 10 | 45.2 | 78 | 47.0 | 96 | 75-125 | 4 | 20 |
| Thallium, Dissolved | 0.00022J | 0.12 | 0.1323 | 110 | 0.1314 | 110 | 75-125 | 1 | 20 |
| Vanadium, Dissolved | ND | 0.5 | 0.4967 | 99 | 0.5187 | 104 | 75-125 | 4 | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| 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): 07-10 QC Batch ID: WG1410661-3 WG1410661-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | |
| Zinc, Dissolved | ND | 0.5 | 0.5465 | 109 | 0.5600 | 112 | 75-125 | 2 | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 07-10 QC Batch ID: WG1410662-3 WG1410662-4 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00510 | 102 | 0.00510 | 102 | 75-125 | 0 | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1410068-4 QC Sample: L2037453-01 Client ID: DUP Sample | | | | | | |
| Aluminum, Dissolved | 0.0446 | 0.0432 | mg/l | 3 | | 20 |
| Antimony, Dissolved | 0.00786 | 0.00888 | mg/l | 12 | | 20 |
| Arsenic, Dissolved | 0.00794 | 0.00815 | mg/l | 3 | | 20 |
| Barium, Dissolved | 0.09892 | 0.09984 | mg/l | 1 | | 20 |
| Beryllium, Dissolved | ND | ND | mg/l | NC | | 20 |
| Cadmium, Dissolved | 0.00057 | 0.00056 | mg/l | 2 | | 20 |
| Calcium, Dissolved | 112. | 114 | mg/l | 2 | | 20 |
| Chromium, Dissolved | 0.00053J | 0.00060J | mg/l | NC | | 20 |
| Cobalt, Dissolved | 0.00515 | 0.00519 | mg/l | 1 | | 20 |
| Copper, Dissolved | 0.00463 | 0.00463 | mg/l | 0 | | 20 |
| Iron, Dissolved | 0.414 | 0.432 | mg/l | 4 | | 20 |
| Lead, Dissolved | 0.00717 | 0.00741 | mg/l | 3 | | 20 |
| Magnesium, Dissolved | 11.7 | 12.1 | mg/l | 3 | | 20 |
| Manganese, Dissolved | 1.975 | 2.004 | mg/l | 1 | | 20 |
| Nickel, Dissolved | 0.01421 | 0.01430 | mg/l | 1 | | 20 |
| Potassium, Dissolved | 24.3 | 24.9 | mg/l | 2 | | 20 |
| Selenium, Dissolved | 0.00214J | 0.00219J | mg/l | NC | | 20 |
| Silver, Dissolved | ND | ND | mg/l | NC | | 20 |
| Sodium, Dissolved | 36.1 | 37.2 | mg/l | 3 | | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1410068-4 QC Sample: L2037453-01 Client ID: DUP Sample | | | | | |
| Thallium, Dissolved | 0.00030J | 0.00062 | mg/l | NC | 20 |
| Vanadium, Dissolved | ND | ND | mg/l | NC | 20 |
| Zinc, Dissolved | 0.1456 | 0.1474 | mg/l | 1 | 20 |
| Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1410069-4 QC Sample: L2037453-01 Client ID: DUP Sample | | | | | |
| Mercury, Dissolved | ND | ND | mg/l | NC | 20 |

INORGANICS & MISCELLANEOUS

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-01

Client ID: 073_LMW-1

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/10/20 08:25

Date Received: 09/10/20

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 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:04 | 1,7196A | JA |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-02

Date Collected: 09/10/20 10:20

Client ID: 075_LMW-6

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

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 | | | | | | | | | | |
| Chromium, Hexavalent | 0.003 | J | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:05 | 1,7196A | JA |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-03

Date Collected: 09/10/20 11:55

Client ID: 076_LMW-7

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

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 | | | | | | | | | | |
| Chromium, Hexavalent | 0.003 | J | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:06 | 1,7196A | JA |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-04

Date Collected: 09/10/20 08:30

Client ID: 074_DUP-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

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 | | | | | | | | | | |
| Chromium, Hexavalent | 0.003 | J | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:06 | 1,7196A | JA |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-05

Date Collected: 09/10/20 14:45

Client ID: 078_FB-1

Date Received: 09/10/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:06 | 1,7196A | JA |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-07
Client ID: 080_LMW-9
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 10:05
Date Received: 09/11/20
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 | | | | | | | | | | |
| Chromium, Hexavalent | 0.003 | J | mg/l | 0.010 | 0.003 | 1 | 09/12/20 05:30 | 09/12/20 06:13 | 1,7196A | CB |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Lab Number: L2037563
Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-08
Client ID: 081_LMW-4
Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 12:05
Date Received: 09/11/20
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 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/12/20 05:30 | 09/12/20 06:15 | 1,7196A | CB |



Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-09

Client ID: 082_LMW-8

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

Date Collected: 09/11/20 13:40

Date Received: 09/11/20

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 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/12/20 05:30 | 09/12/20 06:15 | 1,7196A | CB |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

SAMPLE RESULTS

Lab ID: L2037563-10

Date Collected: 09/11/20 15:10

Client ID: 083_LMW-3

Date Received: 09/11/20

Sample Location: 280 WEST 155TH ST, MANHATTAN, NY

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 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/12/20 05:30 | 09/12/20 06:16 | 1,7196A | CB |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

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): 01-05 Batch: WG1408737-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/11/20 07:30 | 09/11/20 08:03 | 1,7196A | JA |
| General Chemistry - Westborough Lab for sample(s): 07-10 Batch: WG1409136-1 | | | | | | | | | | |
| Chromium, Hexavalent | ND | | mg/l | 0.010 | 0.003 | 1 | 09/12/20 05:30 | 09/12/20 06:11 | 1,7196A | CB |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1408737-2 | | | | | | | | |
| Chromium, Hexavalent | 104 | | - | | 85-115 | - | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07-10 Batch: WG1409136-2 | | | | | | | | |
| Chromium, Hexavalent | 101 | | - | | 85-115 | - | | 20 |

Matrix Spike Analysis Batch Quality Control

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|--|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1408737-4 QC Sample: L2037563-01 Client ID: 073_LMW-1 | | | | | | | | | | | | |
| Chromium, Hexavalent | ND | 0.1 | 0.101 | 101 | - | - | - | - | 85-115 | - | - | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07-10 QC Batch ID: WG1409136-4 WG1409136-5 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | | | | | | | |
| Chromium, Hexavalent | 0.003J | 0.1 | 0.104 | 104 | 0.103 | 103 | 103 | 1 | 85-115 | 1 | 1 | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST

Project Number: 100765102

Lab Number: L2037563

Report Date: 09/23/20

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1408737-3 QC Sample: L2037563-01 Client ID: 073_LMW-1 | | | | | | |
| Chromium, Hexavalent | ND | ND | mg/l | NC | | 20 |
| General Chemistry - Westborough Lab Associated sample(s): 07-10 QC Batch ID: WG1409136-3 QC Sample: L2037563-07 Client ID: 080_LMW-9 | | | | | | |
| Chromium, Hexavalent | 0.003J | ND | mg/l | NC | | 20 |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|---------------|---------------------|
| A | Absent |
| A1 | Absent |
| B | Absent |
| B1 | Absent |
| C | Absent |
| C1 | Absent |
| D | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|---------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|---|
| L2037563-01A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-01B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-01C | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-01D | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-01E | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-01F | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HEXCR-7196(1) |
| L2037563-01G | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-01H | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-01I | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-01J | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-01K | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-01L | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-01M | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-01N | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2037563-01O | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.9 | Y | Absent | | TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2037563-01P | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | - |
| L2037563-01Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-01R | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-01X | Plastic 120ml HNO3 preserved Filtrates | A | NA | | 3.9 | Y | Absent | | SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180) |
| L2037563-02A | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-02B | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-02C | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-02D | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-02E | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-02F | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HEXCR-7196(1) |
| L2037563-02G | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-02H | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-02I | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-02J | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-02K | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-02L | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-02M | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-02N | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-02O | Plastic 250ml HNO3 preserved | B | <2 | <2 | 5.1 | Y | Absent | | BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180) |
| L2037563-02P | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | - |
| L2037563-02Q | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-02R | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-02X | Plastic 120ml HNO3 preserved Filtrates | B | NA | | 5.1 | Y | Absent | | K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28) |
| L2037563-03A | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-03B | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-03C | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-03D | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-03E | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-03F | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HEXCR-7196(1) |
| L2037563-03G | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-03H | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-03I | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-03J | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-03K | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-03L | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-03M | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-03N | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-03O | Plastic 250ml HNO3 preserved | B | <2 | <2 | 5.1 | Y | Absent | | TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L2037563-03P | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | - |
| L2037563-03Q | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-03R | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-03X | Plastic 120ml HNO3 preserved Filtrates | B | NA | | 5.1 | Y | Absent | | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180) |
| L2037563-04A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-04B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-04C | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-04D | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-04E | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-04F | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HEXCR-7196(1) |
| L2037563-04G | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-04H | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-04I | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-04J | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-04K | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-04L | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-04M | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-04N | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2037563-04O | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.9 | Y | Absent | | SE-6020T(180),FE-6020T(180),BA-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L2037563-04P | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | - |
| L2037563-04Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-04R | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-04X | Plastic 120ml HNO3 preserved Filtrates | A | NA | | 3.9 | Y | Absent | | CU-6020S(180),SE-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180) |
| L2037563-05A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-05B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-05C | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-05D | Plastic 250ml unpreserved | C | NA | | 4.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-05F | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HEXCR-7196(1) |
| L2037563-05G | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-05H | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-05I | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-05J | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-05K | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-05L | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-05M | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-05N | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |



Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2037563-05O | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.9 | Y | Absent | | FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180) |
| L2037563-05P | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | - |
| L2037563-05Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-05R | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-05X | Plastic 120ml HNO3 preserved Filtrates | A | NA | | 3.9 | Y | Absent | | K-6020S(180),SE-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180) |
| L2037563-06A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-06B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07A | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07A1 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07A2 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07B | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07B1 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07B2 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07C | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07C1 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07C2 | Vial HCl preserved | B | NA | | 5.1 | Y | Absent | | NYTCL-8260(14) |
| L2037563-07D | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-07D1 | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-07D2 | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-07E | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |

Project Name: 280 WEST 155TH ST

Lab Number: L2037563

Project Number: 100765102

Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|--|
| L2037563-07E1 | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-07E2 | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-07F | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HEXCR-7196(1) |
| L2037563-07F1 | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HEXCR-7196(1) |
| L2037563-07F2 | Plastic 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HEXCR-7196(1) |
| L2037563-07G | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | - |
| L2037563-07G1 | Plastic 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | - |
| L2037563-07G2 | Plastic 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | - |
| L2037563-07H | Plastic 250ml HNO3 preserved | B | <2 | <2 | 5.1 | Y | Absent | | FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2037563-07H1 | Plastic 250ml HNO3 preserved | B | <2 | <2 | 5.1 | Y | Absent | | FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2037563-07H2 | Plastic 250ml HNO3 preserved | C | <2 | <2 | 4.6 | Y | Absent | | FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2037563-07I | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-07I1 | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-07I2 | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8081(7) |
| L2037563-07J | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |
| L2037563-07J1 | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8081(7) |

Project Name: 280 WEST 155TH ST**Lab Number:** L2037563**Project Number:** 100765102**Report Date:** 09/23/20**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|---|
| L2037563-07J2 | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8081(7) |
| L2037563-07K | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07K1 | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07K2 | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07L | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07L1 | Amber 120ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07L2 | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-07M | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07M1 | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07M2 | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07N | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07N1 | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07N2 | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-07O | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07O1 | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07O2 | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07P | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07P1 | Amber 250ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07P2 | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-07Q | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-07Q1 | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-07Q2 | Amber 1000ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HERB-APA(7) |
| L2037563-07R | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-07R1 | Amber 1000ml unpreserved | B | 7 | 7 | 5.1 | Y | Absent | | HERB-APA(7) |
| L2037563-07R2 | Amber 1000ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HERB-APA(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-07X | Plastic 120ml HNO3 preserved Filtrates | B | NA | | 5.1 | Y | Absent | | K-6020S(180),SE-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),NA-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180) |
| L2037563-08A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-08B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-08C | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-08D | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-08E | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-08F | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HEXCR-7196(1) |
| L2037563-08G | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | - |
| L2037563-08H | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.9 | Y | Absent | | SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2037563-08I | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-08J | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-08K | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-08L | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-08M | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-08N | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-08O | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-08P | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-08Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-08R | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

Serial_No:09232018:28
Lab Number: L2037563
Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-08X | Plastic 120ml HNO3 preserved Filtrates | A | NA | | 3.9 | Y | Absent | | K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180) |
| L2037563-09A | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-09B | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-09C | Vial HCl preserved | A | NA | | 3.9 | Y | Absent | | NYTCL-8260(14) |
| L2037563-09D | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-09E | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-09F | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HEXCR-7196(1) |
| L2037563-09G | Plastic 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | - |
| L2037563-09H | Plastic 250ml HNO3 preserved | A | <2 | <2 | 3.9 | Y | Absent | | FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2037563-09I | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-09J | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8081(7) |
| L2037563-09K | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-09L | Amber 120ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-09M | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-09N | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-09O | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-09P | Amber 250ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-09Q | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |
| L2037563-09R | Amber 1000ml unpreserved | A | 7 | 7 | 3.9 | Y | Absent | | HERB-APA(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

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Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-09X | Plastic 120ml HNO3 preserved Filtrates | A | NA | | 3.9 | Y | Absent | | CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180) |
| L2037563-10A | Vial HCl preserved | C | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2037563-10B | Vial HCl preserved | C | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2037563-10C | Vial HCl preserved | C | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2037563-10D | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-10E | Plastic 250ml unpreserved | D | NA | | 4.2 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L2037563-10F | Plastic 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HEXCR-7196(1) |
| L2037563-10G | Plastic 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | - |
| L2037563-10H | Plastic 250ml HNO3 preserved | C | <2 | <2 | 4.6 | Y | Absent | | TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L2037563-10I | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8081(7) |
| L2037563-10J | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8081(7) |
| L2037563-10K | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-10L | Amber 120ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8082-LVI(7) |
| L2037563-10M | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-10N | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L2037563-10O | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-10P | Amber 250ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L2037563-10Q | Amber 1000ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HERB-APA(7) |
| L2037563-10R | Amber 1000ml unpreserved | C | 7 | 7 | 4.6 | Y | Absent | | HERB-APA(7) |

Project Name: 280 WEST 155TH ST
Project Number: 100765102

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Report Date: 09/23/20

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2037563-10X | Plastic 120ml HNO3 preserved Filtrates | C | NA | | 4.6 | Y | Absent | | CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180) |
| L2037563-11A | Vial HCl preserved | C | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |
| L2037563-11B | Vial HCl preserved | C | NA | | 4.6 | Y | Absent | | NYTCL-8260(14) |



Project Name: 280 WEST 155TH ST
Project Number: 100765102

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Lab Number: L2037563
Report Date: 09/23/20

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-Chloroeicosafuoro-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 | PFEEESA | 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: 280 WEST 155TH ST
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GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

Report Format: DU Report with 'J' Qualifiers



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- 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. 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.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Alpha Analytical - In-house calculation method.
- 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, SM4500CI-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


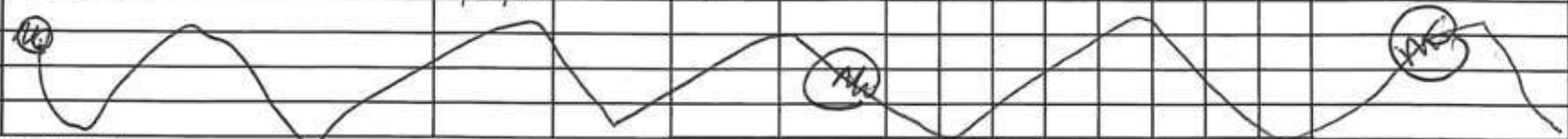
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


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.

|  <p>NEW JERSEY CHAIN OF CUSTODY</p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p> | <p>Service Centers</p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p> | | <p>Page</p> <p>1 of 1</p> | | <p>Date Rec'd in Lab</p> <p>09/11/20</p> | | <p>ALPHA Job #</p> <p>L2037563</p> | | | | | | | | | | | | | | | | | | |
|---|--|---|---------------------------|--|--|---|--|---|--|----------|-----------|--------------------------------|---------------------|------------------|------------|------|-------------|---|---|---|---|---|---|---|---|
| | <p>Project Information</p> <p>Project Name: 280 West 155th St.</p> <p>Project Location: 280 West 155th St, Manhattan, NY</p> <p>Project # 100765102</p> <p>(Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: Ben Rao</p> <p>ALPHAQuote #:</p> <p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/></p> <p>Due Date: # of Days:</p> | | | | <p>Deliverables</p> <p><input type="checkbox"/> NJ Full / Reduced</p> <p><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)</p> <p><input checked="" type="checkbox"/> Other ASP-B</p> | | <p>Billing Information</p> <p><input checked="" type="checkbox"/> Same as Client Info</p> <p>PO #</p> | | | | | | | | | | | | | | | | | | |
| <p>Client Information</p> <p>Client: Langan</p> <p>Address: 300 Kimball Dr. Parsippany, NJ</p> <p>Phone: 973-560-4900</p> <p>Fax: 973-560-4901</p> <p>Email: akritzer@langan.com</p> | | | | <p>Regulatory Requirement</p> <p><input type="checkbox"/> SRS Residential/Non Residential</p> <p><input type="checkbox"/> SRS Impact to Groundwater</p> <p><input type="checkbox"/> NJ Ground Water Quality Standards</p> <p><input type="checkbox"/> NJ IGW SPLP Leachate Criteria</p> <p><input type="checkbox"/> Other</p> | | <p>Site Information</p> <p>Is this site impacted by Petroleum? Yes <input type="checkbox"/></p> <p>Petroleum Product:</p> | | | | | | | | | | | | | | | | | | | |
| <p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>For EPH, selection is REQUIRED:</p> <p><input type="checkbox"/> Category 1</p> <p><input type="checkbox"/> Category 2</p> | | | | <p>For VOC, selection is REQUIRED:</p> <p><input type="checkbox"/> 1,4-Dioxane</p> <p><input type="checkbox"/> 8011</p> | | <p>Other project specific requirements/comments:</p> <p>To be batched with future samples</p> <p>Please specify Metals or TAL.</p> <p>TAL Metals</p> <p>Lab filter for Dissolved TAL metals</p> | | <p>ANALYSIS</p> <table border="1"> <tr> <th>TCL VOCs</th> <th>TCL SVOCs</th> <th>Total end Dissolved TAL Metals</th> <th>Hexavalent Chromium</th> <th>Pesticides, PCBs</th> <th>Herbicides</th> <th>PFAS</th> <th>1,4-dioxane</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table> | | TCL VOCs | TCL SVOCs | Total end Dissolved TAL Metals | Hexavalent Chromium | Pesticides, PCBs | Herbicides | PFAS | 1,4-dioxane | X | X | X | X | X | X | X | X |
| TCL VOCs | TCL SVOCs | Total end Dissolved TAL Metals | Hexavalent Chromium | Pesticides, PCBs | Herbicides | PFAS | 1,4-dioxane | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | |
| <p>Sample Filtration</p> <p><input type="checkbox"/> Done</p> <p><input checked="" type="checkbox"/> Lab to do</p> <p>Preservation</p> <p><input type="checkbox"/> Lab to do</p> <p>(Please Specify below)</p> | | | | <p>Sample Specific Comments</p> | | <p>Total Bottles</p> | | | | | | | | | | | | | | | | | | | |
| <p>ALPHA Lab ID (Lab Use Only)</p> | | <p>Sample ID</p> | | <p>Collection</p> <p>Date Time</p> | | <p>Sample Matrix</p> | | <p>Sampler's Initials</p> | | | | | | | | | | | | | | | | | |
| <p>37563-01</p> | | <p>073-LMW-1</p> | | <p>9/10/20 0825</p> | | <p>GW</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
| <p>-02</p> | | <p>075-LMW-6</p> | | <p>9/10/20 1020</p> | | <p>GW</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
| <p>-03</p> | | <p>076-LMW-7</p> | | <p>9/10/20 1155</p> | | <p>GW</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
| <p>-04</p> | | <p>074-DUP-1</p> | | <p>9/10/20 0830</p> | | <p>GW</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
| <p>-05</p> | | <p>078-FB-1</p> | | <p>9/10/20 1445</p> | | <p>AQ</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
| <p>-06</p> | | <p>079-TB-1</p> | | <p>9/10/20 -</p> | | <p>AQ</p> | | <p>MB</p> | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Preservative Code:</p> <p>A = None</p> <p>B = HCl</p> <p>C = HNO₃</p> <p>D = H₂SO₄</p> <p>E = NaOH</p> <p>F = MeOH</p> <p>G = NaHSO₄</p> <p>H = Na₂S₂O₃</p> <p>K/E = Zn Ac/NaOH</p> <p>O = Other</p> | | <p>Container Code</p> <p>P = Plastic</p> <p>A = Amber Glass</p> <p>V = Vial</p> <p>G = Glass</p> <p>B = Bacteria Cup</p> <p>C = Cube</p> <p>O = Other</p> <p>E = Encore</p> <p>D = BOD Bottle</p> | | <p>Westboro: Certification No: MA935</p> <p>Mansfield: Certification No: MA015</p> | | <p>Container Type</p> <p>V A P P A A P A</p> | | <p>Preservative</p> <p>B - C - - - -</p> | | | | | | | | | | | | | | | | | |
| <p>Relinquished By:</p> <p>Mansfield/Langan</p> <p>Mansfield (ALC)</p> <p>Mansfield</p> | | <p>Date/Time</p> <p>9/10/20 1500</p> <p>9/10/20 1900</p> <p>9/11/20 0035</p> | | <p>Received By:</p> <p>Mansfield (ALC)</p> <p>Mansfield</p> <p>Mansfield</p> | | <p>Date/Time</p> <p>9/10/20 1500</p> <p>9/10/20 2000</p> <p>9/11/20 0035</p> | | <p>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.)</p> | | | | | | | | | | | | | | | | | |

|  <p>NEW JERSEY CHAIN OF CUSTODY</p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p> | <p>Service Centers</p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p> | <p>Page</p> <p>1 of 1</p> | <p>Date Rec'd in Lab</p> <p>09/11/20</p> | <p>ALPHA Job #</p> <p>L2037563</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|---|---|--|--------------------------------|------------------|------------|------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|----|----|---|--|---------------------------------|----------------------|
| | <p>Project Information</p> <p>Project Name: 280 West 155th St. Project Location: 280 West 155th St, Manhattan, NY Project # 100765102</p> | | <p>Deliverables</p> <p><input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input checked="" type="checkbox"/> Other ASP-B</p> | | <p>Billing Information</p> <p><input checked="" type="checkbox"/> Same as Client Info PO #</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Client Information</p> <p>Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: a.kritzer@langan.com</p> | | <p>Regulatory Requirement</p> <p><input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other</p> | | <p>Site Information</p> <p>Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Project Manager: Ben Rao ALPHAQuote #: Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:</p> | | <p>ANALYSIS</p> <table border="1"> <tr> <th>TCL VOCs</th> <th>TCL SVOCs</th> <th>Total and Dissolved TAL Metals</th> <th>Hexavalent Chromium</th> <th>Pesticides, PCBs</th> <th>Herbicides</th> <th>PFAS</th> <th>1,4-Dioxane</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table> | | | TCL VOCs | TCL SVOCs | Total and Dissolved TAL Metals | Hexavalent Chromium | Pesticides, PCBs | Herbicides | PFAS | 1,4-Dioxane | X | X | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCL VOCs | TCL SVOCs | Total and Dissolved TAL Metals | Hexavalent Chromium | Pesticides, PCBs | Herbicides | PFAS | 1,4-Dioxane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | X | X | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2</p> | | <p>For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011</p> | | <p>Other project specific requirements/comments: To be batched with L2037563 * Extra volume collected for ms/mso. Please specify Metals or TAL. TAL Metals Lab filter for dissolved TAL metals</p> | | | <p>Sample Filtration</p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input checked="" type="checkbox"/> Lab to do (Please Specify below)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ALPHA Lab ID (Lab Use Only)</p> | <p>Sample ID</p> | <p>Collection Date</p> | <p>Collection Time</p> | <p>Sample Matrix</p> | <p>Sampler's Initials</p> | <table border="1"> <tr> <td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td> </tr> <tr> <td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td> </tr> <tr> <td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td> </tr> <tr> <td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td> </tr> <tr> <td>✓</td><td></td><td></td><td></td><td>AQ</td><td>MB</td><td>X</td><td></td> </tr> </table> | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | AQ | MB | X | | <p>Sample Specific Comments</p> | <p>Total Bottles</p> |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | | | | AQ | MB | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Preservative Code: A = None B = HCl C = HNO₃ D = H₂SO₄ E = NaOH F = MeOH G = NaHSO₄ H = Na₂S₂O₃ K/E = Zn Ac/NaOH O = Other</p> | | <p>Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p> | | <p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p> | | <p>Container Type: V A P P A A P A Preservative: B - C/A - - - -</p> | | | | | | | <p>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.)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Relinquished By:</p> | | <p>Date/Time</p> | | <p>Received By:</p> | | <p>Date/Time</p> | | <p>Signature: [Signatures]</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Mary [Signature] / Langan</p> | | <p>9/11/20 15:45</p> | | <p>[Signature] AAL</p> | | <p>9/11/20 15:45</p> | | <p>[Signature] AAL</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>[Signature] AAL</p> | | <p>9/11/20 19:30</p> | | <p>[Signature] AAL</p> | | <p>9/11/20 20:30</p> | | <p>[Signature] AAL</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>[Signature] AAL</p> | | <p>9/11/20 23:40</p> | | <p>[Signature] AAL</p> | | <p>9/11/20 23:40</p> | | <p>[Signature] AAL</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2038163 |
| Client: | Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172 |
| ATTN: | Allyson Kritzer |
| Phone: | (973) 560-4289 |
| Project Name: | 280 WEST 155TH ST. |
| Project Number: | 100765102 |
| Report Date: | 09/22/20 |

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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



Project Name: 280 WEST 155TH ST.

Project Number: 100765102

Lab Number: L2038163

Report Date: 09/22/20

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|-----------------|---------------|------------|-----------------|----------------------|--------------|
| L2038163-01 | 085_AMBIENT-1 | AIR | MANHATTAN, NY | 09/14/20 14:30 | 09/14/20 |
| L2038163-02 | 086_LSV-13 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 09:52 | 09/14/20 |
| L2038163-03 | 087_DUP-1 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 09:52 | 09/14/20 |
| L2038163-04 | 088_LSV-18 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 10:20 | 09/14/20 |
| L2038163-05 | 089_LSV-17 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 11:30 | 09/14/20 |
| L2038163-06 | 090_LSV-12 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 10:40 | 09/14/20 |
| L2038163-07 | 091_LSV-11 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 11:20 | 09/14/20 |
| L2038163-08 | 092_LSV-8 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 11:15 | 09/14/20 |
| L2038163-09 | 093_LSV-7 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 11:17 | 09/14/20 |
| L2038163-10 | 094_LSV-16 | SOIL_VAPOR | MANHATTAN, NY | 09/14/20 13:40 | 09/14/20 |
| L2038163-11 | 095_AMBIENT-2 | AIR | MANHATTAN, NY | 09/15/20 14:40 | 09/15/20 |
| L2038163-12 | 096_LSV-14 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 10:17 | 09/15/20 |
| L2038163-13 | 097_LSV-5 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 09:58 | 09/15/20 |
| L2038163-14 | 098_LSV-15 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 09:40 | 09/15/20 |
| L2038163-15 | 099_LSV-6 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 10:00 | 09/15/20 |
| L2038163-16 | 100_LSV-9 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 10:20 | 09/15/20 |
| L2038163-17 | 101_LSV-10 | SOIL_VAPOR | MANHATTAN, NY | 09/15/20 11:15 | 09/15/20 |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

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: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 14, 2020. The canister certification results are provided as an addendum.

L2038163-02-06,08-10: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2038163-07,12: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Sample Receipt

The flow controller ID number for the sample designated 101_LSV-10 (L2038163-17) is listed on the CoC as 958 but should be 0968

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 09/22/20

AIR

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-01
 Client ID: 085_AMBIENT-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 14:30
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 17:23
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.418 | 0.200 | -- | 2.07 | 0.989 | -- | | 1 |
| Chloromethane | 0.432 | 0.200 | -- | 0.892 | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | 0.242 | 0.200 | -- | 0.535 | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | 10.7 | 5.00 | -- | 20.2 | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 3.04 | 1.00 | -- | 7.22 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | 1.06 | 0.500 | -- | 2.61 | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-01
 Client ID: 085_AMBIENT-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 14:30
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 0.493 | 0.200 | -- | 1.74 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 1.09 | 0.200 | -- | 3.48 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | 0.205 | 0.200 | -- | 0.706 | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| Xylenes, Total | 1.02 | 0.200 | -- | 4.43 | 0.869 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | 0.539 | 0.200 | -- | 2.52 | 0.934 | -- | | 1 |
| Heptane | 0.260 | 0.200 | -- | 1.07 | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 1.41 | 0.200 | -- | 5.31 | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-01
 Client ID: 085_AMBIENT-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 14:30
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | 0.270 | 0.200 | -- | 1.17 | 0.869 | -- | | 1 |
| p/m-Xylene | 0.730 | 0.400 | -- | 3.17 | 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 | 0.288 | 0.200 | -- | 1.25 | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | 0.323 | 0.200 | -- | 1.59 | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 92 | | 60-140 |
| Bromochloromethane | 92 | | 60-140 |
| chlorobenzene-d5 | 92 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-02 D
 Client ID: 086_LSV-13
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 09:52
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 20:38
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.357 | -- | ND | 1.77 | -- | | 1.786 |
| Chloromethane | ND | 0.357 | -- | ND | 0.737 | -- | | 1.786 |
| Freon-114 | ND | 0.357 | -- | ND | 2.50 | -- | | 1.786 |
| Vinyl chloride | ND | 0.357 | -- | ND | 0.913 | -- | | 1.786 |
| 1,3-Butadiene | ND | 0.357 | -- | ND | 0.790 | -- | | 1.786 |
| Bromomethane | ND | 0.357 | -- | ND | 1.39 | -- | | 1.786 |
| Chloroethane | ND | 0.357 | -- | ND | 0.942 | -- | | 1.786 |
| Ethanol | 11.4 | 8.93 | -- | 21.5 | 16.8 | -- | | 1.786 |
| Vinyl bromide | ND | 0.357 | -- | ND | 1.56 | -- | | 1.786 |
| Acetone | 91.5 | 1.79 | -- | 217 | 4.25 | -- | | 1.786 |
| Trichlorofluoromethane | ND | 0.357 | -- | ND | 2.01 | -- | | 1.786 |
| Isopropanol | 2.02 | 0.893 | -- | 4.97 | 2.20 | -- | | 1.786 |
| 1,1-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| Tertiary butyl Alcohol | ND | 0.893 | -- | ND | 2.71 | -- | | 1.786 |
| Methylene chloride | ND | 0.893 | -- | ND | 3.10 | -- | | 1.786 |
| 3-Chloropropene | ND | 0.357 | -- | ND | 1.12 | -- | | 1.786 |
| Carbon disulfide | 2.86 | 0.357 | -- | 8.91 | 1.11 | -- | | 1.786 |
| Freon-113 | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| trans-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| 1,1-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| Methyl tert butyl ether | ND | 0.357 | -- | ND | 1.29 | -- | | 1.786 |
| 2-Butanone | 120 | 0.893 | -- | 354 | 2.63 | -- | | 1.786 |
| cis-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-02 D
 Client ID: 086_LSV-13
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 09:52
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.893 | -- | ND | 3.22 | -- | | 1.786 |
| Chloroform | 1.71 | 0.357 | -- | 8.35 | 1.74 | -- | | 1.786 |
| Tetrahydrofuran | ND | 0.893 | -- | ND | 2.63 | -- | | 1.786 |
| 1,2-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| n-Hexane | 0.577 | 0.357 | -- | 2.03 | 1.26 | -- | | 1.786 |
| 1,1,1-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Benzene | ND | 0.357 | -- | ND | 1.14 | -- | | 1.786 |
| Carbon tetrachloride | ND | 0.357 | -- | ND | 2.25 | -- | | 1.786 |
| Cyclohexane | 0.459 | 0.357 | -- | 1.58 | 1.23 | -- | | 1.786 |
| 1,2-Dichloropropane | ND | 0.357 | -- | ND | 1.65 | -- | | 1.786 |
| Bromodichloromethane | ND | 0.357 | -- | ND | 2.39 | -- | | 1.786 |
| Xylenes, Total | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| 1,4-Dioxane | ND | 0.357 | -- | ND | 1.29 | -- | | 1.786 |
| Trichloroethene | ND | 0.357 | -- | ND | 1.92 | -- | | 1.786 |
| 2,2,4-Trimethylpentane | ND | 0.357 | -- | ND | 1.67 | -- | | 1.786 |
| Heptane | 0.489 | 0.357 | -- | 2.00 | 1.46 | -- | | 1.786 |
| cis-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 4-Methyl-2-pentanone | ND | 0.893 | -- | ND | 3.66 | -- | | 1.786 |
| trans-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 1,1,2-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Toluene | 0.380 | 0.357 | -- | 1.43 | 1.35 | -- | | 1.786 |
| 2-Hexanone | 8.28 | 0.357 | -- | 33.9 | 1.46 | -- | | 1.786 |
| Dibromochloromethane | ND | 0.357 | -- | ND | 3.04 | -- | | 1.786 |
| 1,2-Dibromoethane | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| Tetrachloroethene | 9.23 | 0.357 | -- | 62.6 | 2.42 | -- | | 1.786 |
| Chlorobenzene | ND | 0.357 | -- | ND | 1.64 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-02 D

Date Collected: 09/14/20 09:52

Client ID: 086_LSV-13

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| p/m-Xylene | ND | 0.714 | -- | ND | 3.10 | -- | | 1.786 |
| Bromoform | ND | 0.357 | -- | ND | 3.69 | -- | | 1.786 |
| Styrene | ND | 0.357 | -- | ND | 1.52 | -- | | 1.786 |
| 1,1,2,2-Tetrachloroethane | ND | 0.357 | -- | ND | 2.45 | -- | | 1.786 |
| o-Xylene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| 4-Ethyltoluene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,3,5-Trimethylbenzene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,2,4-Trimethylbenzene | 0.389 | 0.357 | -- | 1.91 | 1.76 | -- | | 1.786 |
| Benzyl chloride | ND | 0.357 | -- | ND | 1.85 | -- | | 1.786 |
| 1,3-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,4-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2,4-Trichlorobenzene | ND | 0.357 | -- | ND | 2.65 | -- | | 1.786 |
| Hexachlorobutadiene | ND | 0.357 | -- | ND | 3.81 | -- | | 1.786 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 99 | | 60-140 |
| Bromochloromethane | 100 | | 60-140 |
| chlorobenzene-d5 | 99 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-03 D
 Client ID: 087_DUP-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 09:52
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 21:14
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.357 | -- | ND | 1.77 | -- | | 1.786 |
| Chloromethane | ND | 0.357 | -- | ND | 0.737 | -- | | 1.786 |
| Freon-114 | ND | 0.357 | -- | ND | 2.50 | -- | | 1.786 |
| Vinyl chloride | ND | 0.357 | -- | ND | 0.913 | -- | | 1.786 |
| 1,3-Butadiene | ND | 0.357 | -- | ND | 0.790 | -- | | 1.786 |
| Bromomethane | ND | 0.357 | -- | ND | 1.39 | -- | | 1.786 |
| Chloroethane | ND | 0.357 | -- | ND | 0.942 | -- | | 1.786 |
| Ethanol | 10.7 | 8.93 | -- | 20.2 | 16.8 | -- | | 1.786 |
| Vinyl bromide | ND | 0.357 | -- | ND | 1.56 | -- | | 1.786 |
| Acetone | 94.1 | 1.79 | -- | 224 | 4.25 | -- | | 1.786 |
| Trichlorofluoromethane | ND | 0.357 | -- | ND | 2.01 | -- | | 1.786 |
| Isopropanol | 2.09 | 0.893 | -- | 5.14 | 2.20 | -- | | 1.786 |
| 1,1-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| Tertiary butyl Alcohol | ND | 0.893 | -- | ND | 2.71 | -- | | 1.786 |
| Methylene chloride | ND | 0.893 | -- | ND | 3.10 | -- | | 1.786 |
| 3-Chloropropene | ND | 0.357 | -- | ND | 1.12 | -- | | 1.786 |
| Carbon disulfide | 2.01 | 0.357 | -- | 6.26 | 1.11 | -- | | 1.786 |
| Freon-113 | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| trans-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| 1,1-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| Methyl tert butyl ether | ND | 0.357 | -- | ND | 1.29 | -- | | 1.786 |
| 2-Butanone | 142 | 0.893 | -- | 419 | 2.63 | -- | | 1.786 |
| cis-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-03 D
 Client ID: 087_DUP-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 09:52
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.893 | -- | ND | 3.22 | -- | | 1.786 |
| Chloroform | 1.72 | 0.357 | -- | 8.40 | 1.74 | -- | | 1.786 |
| Tetrahydrofuran | ND | 0.893 | -- | ND | 2.63 | -- | | 1.786 |
| 1,2-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| n-Hexane | 0.600 | 0.357 | -- | 2.11 | 1.26 | -- | | 1.786 |
| 1,1,1-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Benzene | ND | 0.357 | -- | ND | 1.14 | -- | | 1.786 |
| Carbon tetrachloride | ND | 0.357 | -- | ND | 2.25 | -- | | 1.786 |
| Cyclohexane | 0.472 | 0.357 | -- | 1.62 | 1.23 | -- | | 1.786 |
| 1,2-Dichloropropane | ND | 0.357 | -- | ND | 1.65 | -- | | 1.786 |
| Xylenes, Total | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| Bromodichloromethane | ND | 0.357 | -- | ND | 2.39 | -- | | 1.786 |
| 1,4-Dioxane | ND | 0.357 | -- | ND | 1.29 | -- | | 1.786 |
| Trichloroethene | ND | 0.357 | -- | ND | 1.92 | -- | | 1.786 |
| 2,2,4-Trimethylpentane | ND | 0.357 | -- | ND | 1.67 | -- | | 1.786 |
| Heptane | 0.539 | 0.357 | -- | 2.21 | 1.46 | -- | | 1.786 |
| cis-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 4-Methyl-2-pentanone | ND | 0.893 | -- | ND | 3.66 | -- | | 1.786 |
| trans-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 1,1,2-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Toluene | ND | 0.357 | -- | ND | 1.35 | -- | | 1.786 |
| 2-Hexanone | 10.8 | 0.357 | -- | 44.3 | 1.46 | -- | | 1.786 |
| Dibromochloromethane | ND | 0.357 | -- | ND | 3.04 | -- | | 1.786 |
| 1,2-Dibromoethane | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| Tetrachloroethene | 9.57 | 0.357 | -- | 64.9 | 2.42 | -- | | 1.786 |
| Chlorobenzene | ND | 0.357 | -- | ND | 1.64 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-03 D
 Client ID: 087_DUP-1
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 09:52
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| p/m-Xylene | ND | 0.714 | -- | ND | 3.10 | -- | | 1.786 |
| Bromoform | ND | 0.357 | -- | ND | 3.69 | -- | | 1.786 |
| Styrene | ND | 0.357 | -- | ND | 1.52 | -- | | 1.786 |
| 1,1,2,2-Tetrachloroethane | ND | 0.357 | -- | ND | 2.45 | -- | | 1.786 |
| o-Xylene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| 4-Ethyltoluene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,3,5-Trimethylbenzene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,2,4-Trimethylbenzene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| Benzyl chloride | ND | 0.357 | -- | ND | 1.85 | -- | | 1.786 |
| 1,3-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,4-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2,4-Trichlorobenzene | ND | 0.357 | -- | ND | 2.65 | -- | | 1.786 |
| Hexachlorobutadiene | ND | 0.357 | -- | ND | 3.81 | -- | | 1.786 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 99 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-04 D
 Client ID: 088_LSV-18
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:20
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 21:52
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.341 | 0.250 | -- | 1.69 | 1.24 | -- | | 1.25 |
| Chloromethane | ND | 0.250 | -- | ND | 0.516 | -- | | 1.25 |
| Freon-114 | ND | 0.250 | -- | ND | 1.75 | -- | | 1.25 |
| Vinyl chloride | ND | 0.250 | -- | ND | 0.639 | -- | | 1.25 |
| 1,3-Butadiene | ND | 0.250 | -- | ND | 0.553 | -- | | 1.25 |
| Bromomethane | ND | 0.250 | -- | ND | 0.971 | -- | | 1.25 |
| Chloroethane | ND | 0.250 | -- | ND | 0.660 | -- | | 1.25 |
| Ethanol | 6.67 | 6.25 | -- | 12.6 | 11.8 | -- | | 1.25 |
| Vinyl bromide | ND | 0.250 | -- | ND | 1.09 | -- | | 1.25 |
| Acetone | 48.9 | 1.25 | -- | 116 | 2.97 | -- | | 1.25 |
| Trichlorofluoromethane | 3.98 | 0.250 | -- | 22.4 | 1.40 | -- | | 1.25 |
| Isopropanol | 0.956 | 0.625 | -- | 2.35 | 1.54 | -- | | 1.25 |
| 1,1-Dichloroethene | ND | 0.250 | -- | ND | 0.991 | -- | | 1.25 |
| Tertiary butyl Alcohol | ND | 0.625 | -- | ND | 1.89 | -- | | 1.25 |
| Methylene chloride | ND | 0.625 | -- | ND | 2.17 | -- | | 1.25 |
| 3-Chloropropene | ND | 0.250 | -- | ND | 0.783 | -- | | 1.25 |
| Carbon disulfide | ND | 0.250 | -- | ND | 0.779 | -- | | 1.25 |
| Freon-113 | ND | 0.250 | -- | ND | 1.92 | -- | | 1.25 |
| trans-1,2-Dichloroethene | ND | 0.250 | -- | ND | 0.991 | -- | | 1.25 |
| 1,1-Dichloroethane | ND | 0.250 | -- | ND | 1.01 | -- | | 1.25 |
| Methyl tert butyl ether | ND | 0.250 | -- | ND | 0.901 | -- | | 1.25 |
| 2-Butanone | 93.2 | 0.625 | -- | 275 | 1.84 | -- | | 1.25 |
| cis-1,2-Dichloroethene | ND | 0.250 | -- | ND | 0.991 | -- | | 1.25 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-04 D
 Client ID: 088_LSV-18
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:20
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.625 | -- | ND | 2.25 | -- | | 1.25 |
| Chloroform | 9.90 | 0.250 | -- | 48.3 | 1.22 | -- | | 1.25 |
| Tetrahydrofuran | ND | 0.625 | -- | ND | 1.84 | -- | | 1.25 |
| 1,2-Dichloroethane | ND | 0.250 | -- | ND | 1.01 | -- | | 1.25 |
| n-Hexane | 0.295 | 0.250 | -- | 1.04 | 0.881 | -- | | 1.25 |
| 1,1,1-Trichloroethane | ND | 0.250 | -- | ND | 1.36 | -- | | 1.25 |
| Benzene | ND | 0.250 | -- | ND | 0.799 | -- | | 1.25 |
| Carbon tetrachloride | ND | 0.250 | -- | ND | 1.57 | -- | | 1.25 |
| Cyclohexane | ND | 0.250 | -- | ND | 0.861 | -- | | 1.25 |
| 1,2-Dichloropropane | ND | 0.250 | -- | ND | 1.16 | -- | | 1.25 |
| Bromodichloromethane | ND | 0.250 | -- | ND | 1.67 | -- | | 1.25 |
| Xylenes, Total | ND | 0.250 | -- | ND | 1.09 | -- | | 1.25 |
| 1,4-Dioxane | ND | 0.250 | -- | ND | 0.901 | -- | | 1.25 |
| Trichloroethene | ND | 0.250 | -- | ND | 1.34 | -- | | 1.25 |
| 2,2,4-Trimethylpentane | ND | 0.250 | -- | ND | 1.17 | -- | | 1.25 |
| Heptane | 0.374 | 0.250 | -- | 1.53 | 1.02 | -- | | 1.25 |
| cis-1,3-Dichloropropene | ND | 0.250 | -- | ND | 1.13 | -- | | 1.25 |
| 4-Methyl-2-pentanone | ND | 0.625 | -- | ND | 2.56 | -- | | 1.25 |
| trans-1,3-Dichloropropene | ND | 0.250 | -- | ND | 1.13 | -- | | 1.25 |
| 1,1,2-Trichloroethane | ND | 0.250 | -- | ND | 1.36 | -- | | 1.25 |
| Toluene | ND | 0.250 | -- | ND | 0.942 | -- | | 1.25 |
| 2-Hexanone | 10.9 | 0.250 | -- | 44.7 | 1.02 | -- | | 1.25 |
| Dibromochloromethane | ND | 0.250 | -- | ND | 2.13 | -- | | 1.25 |
| 1,2-Dibromoethane | ND | 0.250 | -- | ND | 1.92 | -- | | 1.25 |
| Tetrachloroethene | 4.11 | 0.250 | -- | 27.9 | 1.70 | -- | | 1.25 |
| Chlorobenzene | ND | 0.250 | -- | ND | 1.15 | -- | | 1.25 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-04 D
 Client ID: 088_LSV-18
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:20
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.250 | -- | ND | 1.09 | -- | | 1.25 |
| p/m-Xylene | ND | 0.500 | -- | ND | 2.17 | -- | | 1.25 |
| Bromoform | ND | 0.250 | -- | ND | 2.58 | -- | | 1.25 |
| Styrene | ND | 0.250 | -- | ND | 1.06 | -- | | 1.25 |
| 1,1,2,2-Tetrachloroethane | ND | 0.250 | -- | ND | 1.72 | -- | | 1.25 |
| o-Xylene | ND | 0.250 | -- | ND | 1.09 | -- | | 1.25 |
| 4-Ethyltoluene | ND | 0.250 | -- | ND | 1.23 | -- | | 1.25 |
| 1,3,5-Trimethylbenzene | ND | 0.250 | -- | ND | 1.23 | -- | | 1.25 |
| 1,2,4-Trimethylbenzene | ND | 0.250 | -- | ND | 1.23 | -- | | 1.25 |
| Benzyl chloride | ND | 0.250 | -- | ND | 1.29 | -- | | 1.25 |
| 1,3-Dichlorobenzene | ND | 0.250 | -- | ND | 1.50 | -- | | 1.25 |
| 1,4-Dichlorobenzene | ND | 0.250 | -- | ND | 1.50 | -- | | 1.25 |
| 1,2-Dichlorobenzene | ND | 0.250 | -- | ND | 1.50 | -- | | 1.25 |
| 1,2,4-Trichlorobenzene | ND | 0.250 | -- | ND | 1.86 | -- | | 1.25 |
| Hexachlorobutadiene | ND | 0.250 | -- | ND | 2.67 | -- | | 1.25 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 98 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-05 D
 Client ID: 089_LSV-17
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:30
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 22:29
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.418 | 0.400 | -- | 2.07 | 1.98 | -- | | 2 |
| Chloromethane | ND | 0.400 | -- | ND | 0.826 | -- | | 2 |
| Freon-114 | ND | 0.400 | -- | ND | 2.80 | -- | | 2 |
| Vinyl chloride | ND | 0.400 | -- | ND | 1.02 | -- | | 2 |
| 1,3-Butadiene | ND | 0.400 | -- | ND | 0.885 | -- | | 2 |
| Bromomethane | ND | 0.400 | -- | ND | 1.55 | -- | | 2 |
| Chloroethane | ND | 0.400 | -- | ND | 1.06 | -- | | 2 |
| Ethanol | ND | 10.0 | -- | ND | 18.8 | -- | | 2 |
| Vinyl bromide | ND | 0.400 | -- | ND | 1.75 | -- | | 2 |
| Acetone | 32.6 | 2.00 | -- | 77.4 | 4.75 | -- | | 2 |
| Trichlorofluoromethane | 0.942 | 0.400 | -- | 5.29 | 2.25 | -- | | 2 |
| Isopropanol | ND | 1.00 | -- | ND | 2.46 | -- | | 2 |
| 1,1-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Tertiary butyl Alcohol | ND | 1.00 | -- | ND | 3.03 | -- | | 2 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 2 |
| 3-Chloropropene | ND | 0.400 | -- | ND | 1.25 | -- | | 2 |
| Carbon disulfide | 0.402 | 0.400 | -- | 1.25 | 1.25 | -- | | 2 |
| Freon-113 | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| trans-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| 1,1-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| Methyl tert butyl ether | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| 2-Butanone | 136 | 1.00 | -- | 401 | 2.95 | -- | | 2 |
| cis-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-05 D
 Client ID: 089_LSV-17
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:30
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 1.00 | -- | ND | 3.60 | -- | | 2 |
| Chloroform | 9.63 | 0.400 | -- | 47.0 | 1.95 | -- | | 2 |
| Tetrahydrofuran | ND | 1.00 | -- | ND | 2.95 | -- | | 2 |
| 1,2-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| n-Hexane | 0.406 | 0.400 | -- | 1.43 | 1.41 | -- | | 2 |
| 1,1,1-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Benzene | ND | 0.400 | -- | ND | 1.28 | -- | | 2 |
| Carbon tetrachloride | ND | 0.400 | -- | ND | 2.52 | -- | | 2 |
| Cyclohexane | ND | 0.400 | -- | ND | 1.38 | -- | | 2 |
| 1,2-Dichloropropane | ND | 0.400 | -- | ND | 1.85 | -- | | 2 |
| Bromodichloromethane | ND | 0.400 | -- | ND | 2.68 | -- | | 2 |
| Xylenes, Total | ND | 0.400 | -- | ND | 1.74 | -- | | 2 |
| 1,4-Dioxane | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| Trichloroethene | ND | 0.400 | -- | ND | 2.15 | -- | | 2 |
| 2,2,4-Trimethylpentane | ND | 0.400 | -- | ND | 1.87 | -- | | 2 |
| Heptane | ND | 0.400 | -- | ND | 1.64 | -- | | 2 |
| cis-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 4-Methyl-2-pentanone | ND | 1.00 | -- | ND | 4.10 | -- | | 2 |
| trans-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 1,1,2-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Toluene | ND | 0.400 | -- | ND | 1.51 | -- | | 2 |
| 2-Hexanone | 11.3 | 0.400 | -- | 46.3 | 1.64 | -- | | 2 |
| Dibromochloromethane | ND | 0.400 | -- | ND | 3.41 | -- | | 2 |
| 1,2-Dibromoethane | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| Tetrachloroethene | 5.53 | 0.400 | -- | 37.5 | 2.71 | -- | | 2 |
| Chlorobenzene | ND | 0.400 | -- | ND | 1.84 | -- | | 2 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-05 D

Date Collected: 09/14/20 11:30

Client ID: 089_LSV-17

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.400 | -- | ND | 1.74 | -- | | 2 |
| p/m-Xylene | ND | 0.800 | -- | ND | 3.47 | -- | | 2 |
| Bromoform | ND | 0.400 | -- | ND | 4.14 | -- | | 2 |
| Styrene | ND | 0.400 | -- | ND | 1.70 | -- | | 2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.400 | -- | ND | 2.75 | -- | | 2 |
| o-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 2 |
| 4-Ethyltoluene | ND | 0.400 | -- | ND | 1.97 | -- | | 2 |
| 1,3,5-Trimethylbenzene | ND | 0.400 | -- | ND | 1.97 | -- | | 2 |
| 1,2,4-Trimethylbenzene | ND | 0.400 | -- | ND | 1.97 | -- | | 2 |
| Benzyl chloride | ND | 0.400 | -- | ND | 2.07 | -- | | 2 |
| 1,3-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,4-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2,4-Trichlorobenzene | ND | 0.400 | -- | ND | 2.97 | -- | | 2 |
| Hexachlorobutadiene | ND | 0.400 | -- | ND | 4.27 | -- | | 2 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 102 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 99 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-06 D
 Client ID: 090_LSV-12
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:40
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 23:05
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.625 | -- | ND | 3.09 | -- | | 3.125 |
| Chloromethane | ND | 0.625 | -- | ND | 1.29 | -- | | 3.125 |
| Freon-114 | ND | 0.625 | -- | ND | 4.37 | -- | | 3.125 |
| Vinyl chloride | ND | 0.625 | -- | ND | 1.60 | -- | | 3.125 |
| 1,3-Butadiene | ND | 0.625 | -- | ND | 1.38 | -- | | 3.125 |
| Bromomethane | ND | 0.625 | -- | ND | 2.43 | -- | | 3.125 |
| Chloroethane | ND | 0.625 | -- | ND | 1.65 | -- | | 3.125 |
| Ethanol | ND | 15.6 | -- | ND | 29.4 | -- | | 3.125 |
| Vinyl bromide | ND | 0.625 | -- | ND | 2.73 | -- | | 3.125 |
| Acetone | 109 | 3.12 | -- | 259 | 7.41 | -- | | 3.125 |
| Trichlorofluoromethane | 1.69 | 0.625 | -- | 9.50 | 3.51 | -- | | 3.125 |
| Isopropanol | ND | 1.56 | -- | ND | 3.83 | -- | | 3.125 |
| 1,1-Dichloroethene | ND | 0.625 | -- | ND | 2.48 | -- | | 3.125 |
| Tertiary butyl Alcohol | ND | 1.56 | -- | ND | 4.73 | -- | | 3.125 |
| Methylene chloride | ND | 1.56 | -- | ND | 5.42 | -- | | 3.125 |
| 3-Chloropropene | ND | 0.625 | -- | ND | 1.96 | -- | | 3.125 |
| Carbon disulfide | 16.1 | 0.625 | -- | 50.1 | 1.95 | -- | | 3.125 |
| Freon-113 | ND | 0.625 | -- | ND | 4.79 | -- | | 3.125 |
| trans-1,2-Dichloroethene | ND | 0.625 | -- | ND | 2.48 | -- | | 3.125 |
| 1,1-Dichloroethane | ND | 0.625 | -- | ND | 2.53 | -- | | 3.125 |
| Methyl tert butyl ether | ND | 0.625 | -- | ND | 2.25 | -- | | 3.125 |
| 2-Butanone | 213 | 1.56 | -- | 628 | 4.60 | -- | | 3.125 |
| cis-1,2-Dichloroethene | ND | 0.625 | -- | ND | 2.48 | -- | | 3.125 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-06 D
 Client ID: 090_LSV-12
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:40
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 1.56 | -- | ND | 5.62 | -- | | 3.125 |
| Chloroform | 0.856 | 0.625 | -- | 4.18 | 3.05 | -- | | 3.125 |
| Tetrahydrofuran | ND | 1.56 | -- | ND | 4.60 | -- | | 3.125 |
| 1,2-Dichloroethane | ND | 0.625 | -- | ND | 2.53 | -- | | 3.125 |
| n-Hexane | 2.77 | 0.625 | -- | 9.76 | 2.20 | -- | | 3.125 |
| 1,1,1-Trichloroethane | ND | 0.625 | -- | ND | 3.41 | -- | | 3.125 |
| Benzene | 0.709 | 0.625 | -- | 2.27 | 2.00 | -- | | 3.125 |
| Carbon tetrachloride | ND | 0.625 | -- | ND | 3.93 | -- | | 3.125 |
| Cyclohexane | 1.12 | 0.625 | -- | 3.86 | 2.15 | -- | | 3.125 |
| 1,2-Dichloropropane | ND | 0.625 | -- | ND | 2.89 | -- | | 3.125 |
| Xylenes, Total | ND | 0.625 | -- | ND | 2.71 | -- | | 3.125 |
| Bromodichloromethane | ND | 0.625 | -- | ND | 4.19 | -- | | 3.125 |
| 1,4-Dioxane | ND | 0.625 | -- | ND | 2.25 | -- | | 3.125 |
| Trichloroethene | ND | 0.625 | -- | ND | 3.36 | -- | | 3.125 |
| 2,2,4-Trimethylpentane | ND | 0.625 | -- | ND | 2.92 | -- | | 3.125 |
| Heptane | 1.18 | 0.625 | -- | 4.84 | 2.56 | -- | | 3.125 |
| cis-1,3-Dichloropropene | ND | 0.625 | -- | ND | 2.84 | -- | | 3.125 |
| 4-Methyl-2-pentanone | ND | 1.56 | -- | ND | 6.39 | -- | | 3.125 |
| trans-1,3-Dichloropropene | ND | 0.625 | -- | ND | 2.84 | -- | | 3.125 |
| 1,1,2-Trichloroethane | ND | 0.625 | -- | ND | 3.41 | -- | | 3.125 |
| Toluene | 0.950 | 0.625 | -- | 3.58 | 2.36 | -- | | 3.125 |
| 2-Hexanone | 19.2 | 0.625 | -- | 78.7 | 2.56 | -- | | 3.125 |
| Dibromochloromethane | ND | 0.625 | -- | ND | 5.32 | -- | | 3.125 |
| 1,2-Dibromoethane | ND | 0.625 | -- | ND | 4.80 | -- | | 3.125 |
| Tetrachloroethene | 1.49 | 0.625 | -- | 10.1 | 4.24 | -- | | 3.125 |
| Chlorobenzene | ND | 0.625 | -- | ND | 2.88 | -- | | 3.125 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-06 D
 Client ID: 090_LSV-12
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 10:40
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.625 | -- | ND | 2.71 | -- | | 3.125 |
| p/m-Xylene | ND | 1.25 | -- | ND | 5.43 | -- | | 3.125 |
| Bromoform | ND | 0.625 | -- | ND | 6.46 | -- | | 3.125 |
| Styrene | ND | 0.625 | -- | ND | 2.66 | -- | | 3.125 |
| 1,1,2,2-Tetrachloroethane | ND | 0.625 | -- | ND | 4.29 | -- | | 3.125 |
| o-Xylene | ND | 0.625 | -- | ND | 2.71 | -- | | 3.125 |
| 4-Ethyltoluene | ND | 0.625 | -- | ND | 3.07 | -- | | 3.125 |
| 1,3,5-Trimethylbenzene | ND | 0.625 | -- | ND | 3.07 | -- | | 3.125 |
| 1,2,4-Trimethylbenzene | ND | 0.625 | -- | ND | 3.07 | -- | | 3.125 |
| Benzyl chloride | ND | 0.625 | -- | ND | 3.24 | -- | | 3.125 |
| 1,3-Dichlorobenzene | ND | 0.625 | -- | ND | 3.76 | -- | | 3.125 |
| 1,4-Dichlorobenzene | ND | 0.625 | -- | ND | 3.76 | -- | | 3.125 |
| 1,2-Dichlorobenzene | ND | 0.625 | -- | ND | 3.76 | -- | | 3.125 |
| 1,2,4-Trichlorobenzene | ND | 0.625 | -- | ND | 4.64 | -- | | 3.125 |
| Hexachlorobutadiene | ND | 0.625 | -- | ND | 6.67 | -- | | 3.125 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101 | | 60-140 |
| Bromochloromethane | 104 | | 60-140 |
| chlorobenzene-d5 | 96 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-07 D
 Client ID: 091_LSV-11
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:20
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 23:41
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 2.50 | -- | ND | 12.4 | -- | | 12.5 |
| Chloromethane | ND | 2.50 | -- | ND | 5.16 | -- | | 12.5 |
| Freon-114 | ND | 2.50 | -- | ND | 17.5 | -- | | 12.5 |
| Vinyl chloride | ND | 2.50 | -- | ND | 6.39 | -- | | 12.5 |
| 1,3-Butadiene | ND | 2.50 | -- | ND | 5.53 | -- | | 12.5 |
| Bromomethane | ND | 2.50 | -- | ND | 9.71 | -- | | 12.5 |
| Chloroethane | ND | 2.50 | -- | ND | 6.60 | -- | | 12.5 |
| Ethanol | ND | 62.5 | -- | ND | 118 | -- | | 12.5 |
| Vinyl bromide | ND | 2.50 | -- | ND | 10.9 | -- | | 12.5 |
| Acetone | ND | 12.5 | -- | ND | 29.7 | -- | | 12.5 |
| Trichlorofluoromethane | 7.82 | 2.50 | -- | 43.9 | 14.0 | -- | | 12.5 |
| Isopropanol | 8.31 | 6.25 | -- | 20.4 | 15.4 | -- | | 12.5 |
| 1,1-Dichloroethene | ND | 2.50 | -- | ND | 9.91 | -- | | 12.5 |
| Tertiary butyl Alcohol | ND | 6.25 | -- | ND | 18.9 | -- | | 12.5 |
| Methylene chloride | ND | 6.25 | -- | ND | 21.7 | -- | | 12.5 |
| 3-Chloropropene | ND | 2.50 | -- | ND | 7.83 | -- | | 12.5 |
| Carbon disulfide | 3.45 | 2.50 | -- | 10.7 | 7.79 | -- | | 12.5 |
| Freon-113 | ND | 2.50 | -- | ND | 19.2 | -- | | 12.5 |
| trans-1,2-Dichloroethene | ND | 2.50 | -- | ND | 9.91 | -- | | 12.5 |
| 1,1-Dichloroethane | ND | 2.50 | -- | ND | 10.1 | -- | | 12.5 |
| Methyl tert butyl ether | ND | 2.50 | -- | ND | 9.01 | -- | | 12.5 |
| 2-Butanone | 298 | 6.25 | -- | 879 | 18.4 | -- | | 12.5 |
| cis-1,2-Dichloroethene | ND | 2.50 | -- | ND | 9.91 | -- | | 12.5 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-07 D
 Client ID: 091_LSV-11
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:20
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 6.25 | -- | ND | 22.5 | -- | | 12.5 |
| Chloroform | ND | 2.50 | -- | ND | 12.2 | -- | | 12.5 |
| Tetrahydrofuran | ND | 6.25 | -- | ND | 18.4 | -- | | 12.5 |
| 1,2-Dichloroethane | ND | 2.50 | -- | ND | 10.1 | -- | | 12.5 |
| n-Hexane | 337 | 2.50 | -- | 1190 | 8.81 | -- | | 12.5 |
| 1,1,1-Trichloroethane | ND | 2.50 | -- | ND | 13.6 | -- | | 12.5 |
| Benzene | ND | 2.50 | -- | ND | 7.99 | -- | | 12.5 |
| Carbon tetrachloride | ND | 2.50 | -- | ND | 15.7 | -- | | 12.5 |
| Cyclohexane | 447 | 2.50 | -- | 1540 | 8.61 | -- | | 12.5 |
| 1,2-Dichloropropane | ND | 2.50 | -- | ND | 11.6 | -- | | 12.5 |
| Bromodichloromethane | ND | 2.50 | -- | ND | 16.7 | -- | | 12.5 |
| Xylenes, Total | ND | 2.50 | -- | ND | 10.9 | -- | | 12.5 |
| 1,4-Dioxane | ND | 2.50 | -- | ND | 9.01 | -- | | 12.5 |
| Trichloroethene | ND | 2.50 | -- | ND | 13.4 | -- | | 12.5 |
| 2,2,4-Trimethylpentane | ND | 2.50 | -- | ND | 11.7 | -- | | 12.5 |
| Heptane | 103 | 2.50 | -- | 422 | 10.2 | -- | | 12.5 |
| cis-1,3-Dichloropropene | ND | 2.50 | -- | ND | 11.3 | -- | | 12.5 |
| 4-Methyl-2-pentanone | ND | 6.25 | -- | ND | 25.6 | -- | | 12.5 |
| trans-1,3-Dichloropropene | ND | 2.50 | -- | ND | 11.3 | -- | | 12.5 |
| 1,1,2-Trichloroethane | ND | 2.50 | -- | ND | 13.6 | -- | | 12.5 |
| Toluene | ND | 2.50 | -- | ND | 9.42 | -- | | 12.5 |
| 2-Hexanone | ND | 2.50 | -- | ND | 10.2 | -- | | 12.5 |
| Dibromochloromethane | ND | 2.50 | -- | ND | 21.3 | -- | | 12.5 |
| 1,2-Dibromoethane | ND | 2.50 | -- | ND | 19.2 | -- | | 12.5 |
| Tetrachloroethene | ND | 2.50 | -- | ND | 17.0 | -- | | 12.5 |
| Chlorobenzene | ND | 2.50 | -- | ND | 11.5 | -- | | 12.5 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-07 D

Date Collected: 09/14/20 11:20

Client ID: 091_LSV-11

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 2.50 | -- | ND | 10.9 | -- | | 12.5 |
| p/m-Xylene | ND | 5.00 | -- | ND | 21.7 | -- | | 12.5 |
| Bromoform | ND | 2.50 | -- | ND | 25.8 | -- | | 12.5 |
| Styrene | ND | 2.50 | -- | ND | 10.6 | -- | | 12.5 |
| 1,1,2,2-Tetrachloroethane | ND | 2.50 | -- | ND | 17.2 | -- | | 12.5 |
| o-Xylene | ND | 2.50 | -- | ND | 10.9 | -- | | 12.5 |
| 4-Ethyltoluene | ND | 2.50 | -- | ND | 12.3 | -- | | 12.5 |
| 1,3,5-Trimethylbenzene | ND | 2.50 | -- | ND | 12.3 | -- | | 12.5 |
| 1,2,4-Trimethylbenzene | ND | 2.50 | -- | ND | 12.3 | -- | | 12.5 |
| Benzyl chloride | ND | 2.50 | -- | ND | 12.9 | -- | | 12.5 |
| 1,3-Dichlorobenzene | ND | 2.50 | -- | ND | 15.0 | -- | | 12.5 |
| 1,4-Dichlorobenzene | ND | 2.50 | -- | ND | 15.0 | -- | | 12.5 |
| 1,2-Dichlorobenzene | ND | 2.50 | -- | ND | 15.0 | -- | | 12.5 |
| 1,2,4-Trichlorobenzene | ND | 2.50 | -- | ND | 18.6 | -- | | 12.5 |
| Hexachlorobutadiene | ND | 2.50 | -- | ND | 26.7 | -- | | 12.5 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 105 | | 60-140 |
| Bromochloromethane | 105 | | 60-140 |
| chlorobenzene-d5 | 107 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-08 D
 Client ID: 092_LSV-8
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:15
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 00:17
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.25 | -- | ND | 6.18 | -- | | 6.25 |
| Chloromethane | ND | 1.25 | -- | ND | 2.58 | -- | | 6.25 |
| Freon-114 | ND | 1.25 | -- | ND | 8.74 | -- | | 6.25 |
| Vinyl chloride | ND | 1.25 | -- | ND | 3.20 | -- | | 6.25 |
| 1,3-Butadiene | ND | 1.25 | -- | ND | 2.77 | -- | | 6.25 |
| Bromomethane | ND | 1.25 | -- | ND | 4.85 | -- | | 6.25 |
| Chloroethane | ND | 1.25 | -- | ND | 3.30 | -- | | 6.25 |
| Ethanol | ND | 31.2 | -- | ND | 58.8 | -- | | 6.25 |
| Vinyl bromide | ND | 1.25 | -- | ND | 5.47 | -- | | 6.25 |
| Acetone | 272 | 6.25 | -- | 646 | 14.8 | -- | | 6.25 |
| Trichlorofluoromethane | ND | 1.25 | -- | ND | 7.02 | -- | | 6.25 |
| Isopropanol | 7.55 | 3.12 | -- | 18.6 | 7.67 | -- | | 6.25 |
| 1,1-Dichloroethene | ND | 1.25 | -- | ND | 4.96 | -- | | 6.25 |
| Tertiary butyl Alcohol | ND | 3.12 | -- | ND | 9.46 | -- | | 6.25 |
| Methylene chloride | ND | 3.12 | -- | ND | 10.8 | -- | | 6.25 |
| 3-Chloropropene | ND | 1.25 | -- | ND | 3.91 | -- | | 6.25 |
| Carbon disulfide | ND | 1.25 | -- | ND | 3.89 | -- | | 6.25 |
| Freon-113 | ND | 1.25 | -- | ND | 9.58 | -- | | 6.25 |
| trans-1,2-Dichloroethene | ND | 1.25 | -- | ND | 4.96 | -- | | 6.25 |
| 1,1-Dichloroethane | ND | 1.25 | -- | ND | 5.06 | -- | | 6.25 |
| Methyl tert butyl ether | ND | 1.25 | -- | ND | 4.51 | -- | | 6.25 |
| 2-Butanone | 395 | 3.12 | -- | 1160 | 9.20 | -- | | 6.25 |
| cis-1,2-Dichloroethene | ND | 1.25 | -- | ND | 4.96 | -- | | 6.25 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-08 D

Date Collected: 09/14/20 11:15

Client ID: 092_LSV-8

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 3.12 | -- | ND | 11.2 | -- | | 6.25 |
| Chloroform | ND | 1.25 | -- | ND | 6.10 | -- | | 6.25 |
| Tetrahydrofuran | ND | 3.12 | -- | ND | 9.20 | -- | | 6.25 |
| 1,2-Dichloroethane | ND | 1.25 | -- | ND | 5.06 | -- | | 6.25 |
| n-Hexane | 1.33 | 1.25 | -- | 4.69 | 4.41 | -- | | 6.25 |
| 1,1,1-Trichloroethane | ND | 1.25 | -- | ND | 6.82 | -- | | 6.25 |
| Benzene | ND | 1.25 | -- | ND | 3.99 | -- | | 6.25 |
| Carbon tetrachloride | ND | 1.25 | -- | ND | 7.86 | -- | | 6.25 |
| Cyclohexane | ND | 1.25 | -- | ND | 4.30 | -- | | 6.25 |
| 1,2-Dichloropropane | ND | 1.25 | -- | ND | 5.78 | -- | | 6.25 |
| Bromodichloromethane | ND | 1.25 | -- | ND | 8.37 | -- | | 6.25 |
| Xylenes, Total | ND | 1.25 | -- | ND | 5.43 | -- | | 6.25 |
| 1,4-Dioxane | ND | 1.25 | -- | ND | 4.50 | -- | | 6.25 |
| Trichloroethene | ND | 1.25 | -- | ND | 6.72 | -- | | 6.25 |
| 2,2,4-Trimethylpentane | ND | 1.25 | -- | ND | 5.84 | -- | | 6.25 |
| Heptane | ND | 1.25 | -- | ND | 5.12 | -- | | 6.25 |
| cis-1,3-Dichloropropene | ND | 1.25 | -- | ND | 5.67 | -- | | 6.25 |
| 4-Methyl-2-pentanone | ND | 3.12 | -- | ND | 12.8 | -- | | 6.25 |
| trans-1,3-Dichloropropene | ND | 1.25 | -- | ND | 5.67 | -- | | 6.25 |
| 1,1,2-Trichloroethane | ND | 1.25 | -- | ND | 6.82 | -- | | 6.25 |
| Toluene | ND | 1.25 | -- | ND | 4.71 | -- | | 6.25 |
| 2-Hexanone | 28.2 | 1.25 | -- | 116 | 5.12 | -- | | 6.25 |
| Dibromochloromethane | ND | 1.25 | -- | ND | 10.6 | -- | | 6.25 |
| 1,2-Dibromoethane | ND | 1.25 | -- | ND | 9.61 | -- | | 6.25 |
| Tetrachloroethene | ND | 1.25 | -- | ND | 8.48 | -- | | 6.25 |
| Chlorobenzene | ND | 1.25 | -- | ND | 5.76 | -- | | 6.25 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-08 D

Date Collected: 09/14/20 11:15

Client ID: 092_LSV-8

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 1.25 | -- | ND | 5.43 | -- | | 6.25 |
| p/m-Xylene | ND | 2.50 | -- | ND | 10.9 | -- | | 6.25 |
| Bromoform | ND | 1.25 | -- | ND | 12.9 | -- | | 6.25 |
| Styrene | ND | 1.25 | -- | ND | 5.32 | -- | | 6.25 |
| 1,1,2,2-Tetrachloroethane | ND | 1.25 | -- | ND | 8.58 | -- | | 6.25 |
| o-Xylene | ND | 1.25 | -- | ND | 5.43 | -- | | 6.25 |
| 4-Ethyltoluene | ND | 1.25 | -- | ND | 6.15 | -- | | 6.25 |
| 1,3,5-Trimethylbenzene | ND | 1.25 | -- | ND | 6.15 | -- | | 6.25 |
| 1,2,4-Trimethylbenzene | ND | 1.25 | -- | ND | 6.15 | -- | | 6.25 |
| Benzyl chloride | ND | 1.25 | -- | ND | 6.47 | -- | | 6.25 |
| 1,3-Dichlorobenzene | ND | 1.25 | -- | ND | 7.52 | -- | | 6.25 |
| 1,4-Dichlorobenzene | ND | 1.25 | -- | ND | 7.52 | -- | | 6.25 |
| 1,2-Dichlorobenzene | ND | 1.25 | -- | ND | 7.52 | -- | | 6.25 |
| 1,2,4-Trichlorobenzene | ND | 1.25 | -- | ND | 9.28 | -- | | 6.25 |
| Hexachlorobutadiene | ND | 1.25 | -- | ND | 13.3 | -- | | 6.25 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 101 | | 60-140 |
| Bromochloromethane | 103 | | 60-140 |
| chlorobenzene-d5 | 84 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-09 D
 Client ID: 093_LSV-7
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:17
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 00:54
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.357 | -- | ND | 1.77 | -- | | 1.786 |
| Chloromethane | ND | 0.357 | -- | ND | 0.737 | -- | | 1.786 |
| Freon-114 | ND | 0.357 | -- | ND | 2.50 | -- | | 1.786 |
| Vinyl chloride | ND | 0.357 | -- | ND | 0.913 | -- | | 1.786 |
| 1,3-Butadiene | ND | 0.357 | -- | ND | 0.790 | -- | | 1.786 |
| Bromomethane | ND | 0.357 | -- | ND | 1.39 | -- | | 1.786 |
| Chloroethane | ND | 0.357 | -- | ND | 0.942 | -- | | 1.786 |
| Ethanol | ND | 8.93 | -- | ND | 16.8 | -- | | 1.786 |
| Vinyl bromide | ND | 0.357 | -- | ND | 1.56 | -- | | 1.786 |
| Acetone | 61.5 | 1.79 | -- | 146 | 4.25 | -- | | 1.786 |
| Trichlorofluoromethane | ND | 0.357 | -- | ND | 2.01 | -- | | 1.786 |
| Isopropanol | 0.989 | 0.893 | -- | 2.43 | 2.20 | -- | | 1.786 |
| 1,1-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| Tertiary butyl Alcohol | ND | 0.893 | -- | ND | 2.71 | -- | | 1.786 |
| Methylene chloride | ND | 0.893 | -- | ND | 3.10 | -- | | 1.786 |
| 3-Chloropropene | ND | 0.357 | -- | ND | 1.12 | -- | | 1.786 |
| Carbon disulfide | 1.79 | 0.357 | -- | 5.57 | 1.11 | -- | | 1.786 |
| Freon-113 | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| trans-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |
| 1,1-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| Methyl tert butyl ether | 0.468 | 0.357 | -- | 1.69 | 1.29 | -- | | 1.786 |
| 2-Butanone | 110 | 0.893 | -- | 324 | 2.63 | -- | | 1.786 |
| cis-1,2-Dichloroethene | ND | 0.357 | -- | ND | 1.42 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-09 D
 Client ID: 093_LSV-7
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 11:17
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.893 | -- | ND | 3.22 | -- | | 1.786 |
| Chloroform | 0.366 | 0.357 | -- | 1.79 | 1.74 | -- | | 1.786 |
| Tetrahydrofuran | ND | 0.893 | -- | ND | 2.63 | -- | | 1.786 |
| 1,2-Dichloroethane | ND | 0.357 | -- | ND | 1.44 | -- | | 1.786 |
| n-Hexane | 0.468 | 0.357 | -- | 1.65 | 1.26 | -- | | 1.786 |
| 1,1,1-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Benzene | ND | 0.357 | -- | ND | 1.14 | -- | | 1.786 |
| Carbon tetrachloride | ND | 0.357 | -- | ND | 2.25 | -- | | 1.786 |
| Cyclohexane | ND | 0.357 | -- | ND | 1.23 | -- | | 1.786 |
| 1,2-Dichloropropane | ND | 0.357 | -- | ND | 1.65 | -- | | 1.786 |
| Bromodichloromethane | ND | 0.357 | -- | ND | 2.39 | -- | | 1.786 |
| Xylenes, Total | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| 1,4-Dioxane | ND | 0.357 | -- | ND | 1.29 | -- | | 1.786 |
| Trichloroethene | ND | 0.357 | -- | ND | 1.92 | -- | | 1.786 |
| 2,2,4-Trimethylpentane | 0.400 | 0.357 | -- | 1.87 | 1.67 | -- | | 1.786 |
| Heptane | 0.498 | 0.357 | -- | 2.04 | 1.46 | -- | | 1.786 |
| cis-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 4-Methyl-2-pentanone | ND | 0.893 | -- | ND | 3.66 | -- | | 1.786 |
| trans-1,3-Dichloropropene | ND | 0.357 | -- | ND | 1.62 | -- | | 1.786 |
| 1,1,2-Trichloroethane | ND | 0.357 | -- | ND | 1.95 | -- | | 1.786 |
| Toluene | ND | 0.357 | -- | ND | 1.35 | -- | | 1.786 |
| 2-Hexanone | 16.6 | 0.357 | -- | 68.0 | 1.46 | -- | | 1.786 |
| Dibromochloromethane | ND | 0.357 | -- | ND | 3.04 | -- | | 1.786 |
| 1,2-Dibromoethane | ND | 0.357 | -- | ND | 2.74 | -- | | 1.786 |
| Tetrachloroethene | ND | 0.357 | -- | ND | 2.42 | -- | | 1.786 |
| Chlorobenzene | ND | 0.357 | -- | ND | 1.64 | -- | | 1.786 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-09 D

Date Collected: 09/14/20 11:17

Client ID: 093_LSV-7

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| p/m-Xylene | ND | 0.714 | -- | ND | 3.10 | -- | | 1.786 |
| Bromoform | ND | 0.357 | -- | ND | 3.69 | -- | | 1.786 |
| Styrene | ND | 0.357 | -- | ND | 1.52 | -- | | 1.786 |
| 1,1,2,2-Tetrachloroethane | ND | 0.357 | -- | ND | 2.45 | -- | | 1.786 |
| o-Xylene | ND | 0.357 | -- | ND | 1.55 | -- | | 1.786 |
| 4-Ethyltoluene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,3,5-Trimethylbenzene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| 1,2,4-Trimethylbenzene | ND | 0.357 | -- | ND | 1.76 | -- | | 1.786 |
| Benzyl chloride | ND | 0.357 | -- | ND | 1.85 | -- | | 1.786 |
| 1,3-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,4-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2-Dichlorobenzene | ND | 0.357 | -- | ND | 2.15 | -- | | 1.786 |
| 1,2,4-Trichlorobenzene | ND | 0.357 | -- | ND | 2.65 | -- | | 1.786 |
| Hexachlorobutadiene | ND | 0.357 | -- | ND | 3.81 | -- | | 1.786 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 102 | | 60-140 |
| Bromochloromethane | 103 | | 60-140 |
| chlorobenzene-d5 | 89 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-10 D
 Client ID: 094_LSV-16
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 13:40
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 01:30
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.500 | -- | ND | 2.47 | -- | | 2.5 |
| Chloromethane | ND | 0.500 | -- | ND | 1.03 | -- | | 2.5 |
| Freon-114 | ND | 0.500 | -- | ND | 3.49 | -- | | 2.5 |
| Vinyl chloride | ND | 0.500 | -- | ND | 1.28 | -- | | 2.5 |
| 1,3-Butadiene | ND | 0.500 | -- | ND | 1.11 | -- | | 2.5 |
| Bromomethane | ND | 0.500 | -- | ND | 1.94 | -- | | 2.5 |
| Chloroethane | ND | 0.500 | -- | ND | 1.32 | -- | | 2.5 |
| Ethanol | ND | 12.5 | -- | ND | 23.6 | -- | | 2.5 |
| Vinyl bromide | ND | 0.500 | -- | ND | 2.19 | -- | | 2.5 |
| Acetone | 27.8 | 2.50 | -- | 66.0 | 5.94 | -- | | 2.5 |
| Trichlorofluoromethane | ND | 0.500 | -- | ND | 2.81 | -- | | 2.5 |
| Isopropanol | ND | 1.25 | -- | ND | 3.07 | -- | | 2.5 |
| 1,1-Dichloroethene | ND | 0.500 | -- | ND | 1.98 | -- | | 2.5 |
| Tertiary butyl Alcohol | ND | 1.25 | -- | ND | 3.79 | -- | | 2.5 |
| Methylene chloride | ND | 1.25 | -- | ND | 4.34 | -- | | 2.5 |
| 3-Chloropropene | ND | 0.500 | -- | ND | 1.57 | -- | | 2.5 |
| Carbon disulfide | 0.500 | 0.500 | -- | 1.56 | 1.56 | -- | | 2.5 |
| Freon-113 | ND | 0.500 | -- | ND | 3.83 | -- | | 2.5 |
| trans-1,2-Dichloroethene | ND | 0.500 | -- | ND | 1.98 | -- | | 2.5 |
| 1,1-Dichloroethane | ND | 0.500 | -- | ND | 2.02 | -- | | 2.5 |
| Methyl tert butyl ether | ND | 0.500 | -- | ND | 1.80 | -- | | 2.5 |
| 2-Butanone | 147 | 1.25 | -- | 434 | 3.69 | -- | | 2.5 |
| cis-1,2-Dichloroethene | ND | 0.500 | -- | ND | 1.98 | -- | | 2.5 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-10 D
 Client ID: 094_LSV-16
 Sample Location: MANHATTAN, NY

Date Collected: 09/14/20 13:40
 Date Received: 09/14/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 1.25 | -- | ND | 4.50 | -- | | 2.5 |
| Chloroform | ND | 0.500 | -- | ND | 2.44 | -- | | 2.5 |
| Tetrahydrofuran | ND | 1.25 | -- | ND | 3.69 | -- | | 2.5 |
| 1,2-Dichloroethane | ND | 0.500 | -- | ND | 2.02 | -- | | 2.5 |
| n-Hexane | ND | 0.500 | -- | ND | 1.76 | -- | | 2.5 |
| 1,1,1-Trichloroethane | ND | 0.500 | -- | ND | 2.73 | -- | | 2.5 |
| Benzene | ND | 0.500 | -- | ND | 1.60 | -- | | 2.5 |
| Carbon tetrachloride | ND | 0.500 | -- | ND | 3.15 | -- | | 2.5 |
| Cyclohexane | ND | 0.500 | -- | ND | 1.72 | -- | | 2.5 |
| 1,2-Dichloropropane | ND | 0.500 | -- | ND | 2.31 | -- | | 2.5 |
| Bromodichloromethane | ND | 0.500 | -- | ND | 3.35 | -- | | 2.5 |
| Xylenes, Total | ND | 0.500 | -- | ND | 2.17 | -- | | 2.5 |
| 1,4-Dioxane | ND | 0.500 | -- | ND | 1.80 | -- | | 2.5 |
| Trichloroethene | ND | 0.500 | -- | ND | 2.69 | -- | | 2.5 |
| 2,2,4-Trimethylpentane | ND | 0.500 | -- | ND | 2.34 | -- | | 2.5 |
| Heptane | ND | 0.500 | -- | ND | 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 | ND | 0.500 | -- | ND | 1.88 | -- | | 2.5 |
| 2-Hexanone | 12.3 | 0.500 | -- | 50.4 | 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 | 1.43 | 0.500 | -- | 9.70 | 3.39 | -- | | 2.5 |
| Chlorobenzene | ND | 0.500 | -- | ND | 2.30 | -- | | 2.5 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-10 D

Date Collected: 09/14/20 13:40

Client ID: 094_LSV-16

Date Received: 09/14/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.500 | -- | ND | 2.17 | -- | | 2.5 |
| p/m-Xylene | ND | 1.00 | -- | ND | 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 | ND | 0.500 | -- | ND | 2.17 | -- | | 2.5 |
| 4-Ethyltoluene | ND | 0.500 | -- | ND | 2.46 | -- | | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.500 | -- | ND | 2.46 | -- | | 2.5 |
| 1,2,4-Trimethylbenzene | 0.718 | 0.500 | -- | 3.53 | 2.46 | -- | | 2.5 |
| Benzyl chloride | ND | 0.500 | -- | ND | 2.59 | -- | | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.500 | -- | ND | 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 | 103 | | 60-140 |
| Bromochloromethane | 103 | | 60-140 |
| chlorobenzene-d5 | 88 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-11
 Client ID: 095_AMBIENT-2
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 14:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/21/20 18:02
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.422 | 0.200 | -- | 2.09 | 0.989 | -- | | 1 |
| Chloromethane | 0.408 | 0.200 | -- | 0.843 | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 1.58 | 1.00 | -- | 3.75 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | 0.806 | 0.500 | -- | 1.98 | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-11
 Client ID: 095_AMBIENT-2
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 14:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 0.224 | 0.200 | -- | 0.789 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 0.251 | 0.200 | -- | 0.802 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 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 | 0.351 | 0.200 | -- | 1.64 | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 0.512 | 0.200 | -- | 1.93 | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-11
 Client ID: 095_AMBIENT-2
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 14:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 93 | | 60-140 |
| Bromochloromethane | 94 | | 60-140 |
| chlorobenzene-d5 | 91 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-12 D
 Client ID: 096_LSV-14
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:17
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 06:27
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.00 | -- | ND | 4.94 | -- | | 5 |
| Chloromethane | ND | 1.00 | -- | ND | 2.07 | -- | | 5 |
| Freon-114 | ND | 1.00 | -- | ND | 6.99 | -- | | 5 |
| Vinyl chloride | ND | 1.00 | -- | ND | 2.56 | -- | | 5 |
| 1,3-Butadiene | ND | 1.00 | -- | ND | 2.21 | -- | | 5 |
| Bromomethane | ND | 1.00 | -- | ND | 3.88 | -- | | 5 |
| Chloroethane | ND | 1.00 | -- | ND | 2.64 | -- | | 5 |
| Ethanol | ND | 25.0 | -- | ND | 47.1 | -- | | 5 |
| Vinyl bromide | ND | 1.00 | -- | ND | 4.37 | -- | | 5 |
| Acetone | 8.68 | 5.00 | -- | 20.6 | 11.9 | -- | | 5 |
| Trichlorofluoromethane | ND | 1.00 | -- | ND | 5.62 | -- | | 5 |
| Isopropanol | ND | 2.50 | -- | ND | 6.15 | -- | | 5 |
| 1,1-Dichloroethene | ND | 1.00 | -- | ND | 3.96 | -- | | 5 |
| Tertiary butyl Alcohol | ND | 2.50 | -- | ND | 7.58 | -- | | 5 |
| Methylene chloride | ND | 2.50 | -- | ND | 8.69 | -- | | 5 |
| 3-Chloropropene | ND | 1.00 | -- | ND | 3.13 | -- | | 5 |
| Carbon disulfide | ND | 1.00 | -- | ND | 3.11 | -- | | 5 |
| Freon-113 | ND | 1.00 | -- | ND | 7.66 | -- | | 5 |
| trans-1,2-Dichloroethene | ND | 1.00 | -- | ND | 3.96 | -- | | 5 |
| 1,1-Dichloroethane | ND | 1.00 | -- | ND | 4.05 | -- | | 5 |
| Methyl tert butyl ether | ND | 1.00 | -- | ND | 3.61 | -- | | 5 |
| 2-Butanone | 20.8 | 2.50 | -- | 61.3 | 7.37 | -- | | 5 |
| cis-1,2-Dichloroethene | ND | 1.00 | -- | ND | 3.96 | -- | | 5 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-12 D

Date Collected: 09/15/20 10:17

Client ID: 096_LSV-14

Date Received: 09/15/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 2.50 | -- | ND | 9.01 | -- | | 5 |
| Chloroform | 2.28 | 1.00 | -- | 11.1 | 4.88 | -- | | 5 |
| Tetrahydrofuran | ND | 2.50 | -- | ND | 7.37 | -- | | 5 |
| 1,2-Dichloroethane | ND | 1.00 | -- | ND | 4.05 | -- | | 5 |
| n-Hexane | ND | 1.00 | -- | ND | 3.52 | -- | | 5 |
| 1,1,1-Trichloroethane | ND | 1.00 | -- | ND | 5.46 | -- | | 5 |
| Benzene | ND | 1.00 | -- | ND | 3.19 | -- | | 5 |
| Carbon tetrachloride | ND | 1.00 | -- | ND | 6.29 | -- | | 5 |
| Cyclohexane | ND | 1.00 | -- | ND | 3.44 | -- | | 5 |
| 1,2-Dichloropropane | ND | 1.00 | -- | ND | 4.62 | -- | | 5 |
| Bromodichloromethane | ND | 1.00 | -- | ND | 6.70 | -- | | 5 |
| Xylenes, Total | ND | 1.00 | -- | ND | 4.34 | -- | | 5 |
| 1,4-Dioxane | ND | 1.00 | -- | ND | 3.60 | -- | | 5 |
| Trichloroethene | ND | 1.00 | -- | ND | 5.37 | -- | | 5 |
| 2,2,4-Trimethylpentane | ND | 1.00 | -- | ND | 4.67 | -- | | 5 |
| Heptane | ND | 1.00 | -- | ND | 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 | ND | 1.00 | -- | ND | 3.77 | -- | | 5 |
| 2-Hexanone | 1.30 | 1.00 | -- | 5.33 | 4.10 | -- | | 5 |
| Dibromochloromethane | ND | 1.00 | -- | ND | 8.52 | -- | | 5 |
| 1,2-Dibromoethane | ND | 1.00 | -- | ND | 7.69 | -- | | 5 |
| Tetrachloroethene | ND | 1.00 | -- | ND | 6.78 | -- | | 5 |
| Chlorobenzene | ND | 1.00 | -- | ND | 4.61 | -- | | 5 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-12 D

Date Collected: 09/15/20 10:17

Client ID: 096_LSV-14

Date Received: 09/15/20

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|------|-----|---------|------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 1.00 | -- | ND | 4.34 | -- | | 5 |
| p/m-Xylene | ND | 2.00 | -- | ND | 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 | ND | 1.00 | -- | ND | 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 | ND | 1.00 | -- | ND | 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 | 103 | | 60-140 |
| Bromochloromethane | 103 | | 60-140 |
| chlorobenzene-d5 | 94 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-13
 Client ID: 097_LSV-5
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:58
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 02:48
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.336 | 0.200 | -- | 1.66 | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 23.2 | 1.00 | -- | 55.1 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | 0.364 | 0.200 | -- | 2.05 | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | 30.0 | 0.500 | -- | 88.5 | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-13
 Client ID: 097_LSV-5
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:58
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | 1.31 | 0.200 | -- | 6.40 | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | 3.12 | 0.200 | -- | 12.8 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 3.31 | 0.200 | -- | 22.4 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-13
 Client ID: 097_LSV-5
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:58
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 103 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 93 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-14
 Client ID: 098_LSV-15
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 03:26
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.374 | 0.200 | -- | 1.85 | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | 2.98 | 0.500 | -- | 8.79 | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-14
 Client ID: 098_LSV-15
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | 0.269 | 0.200 | -- | 1.31 | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | 0.601 | 0.200 | -- | 2.46 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 1.36 | 0.200 | -- | 9.22 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-14
 Client ID: 098_LSV-15
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 09:40
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 102 | | 60-140 |
| Bromochloromethane | 101 | | 60-140 |
| chlorobenzene-d5 | 95 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-15
 Client ID: 099_LSV-6
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:00
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 04:05
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.441 | 0.200 | -- | 2.18 | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 5.32 | 1.00 | -- | 12.6 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | 0.200 | 0.200 | -- | 1.12 | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | 8.24 | 0.200 | -- | 25.7 | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | 7.73 | 0.500 | -- | 22.8 | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-15
 Client ID: 099_LSV-6
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:00
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | 1.32 | 0.200 | -- | 6.45 | 0.977 | -- | | 1 |
| Tetrahydrofuran | 2.37 | 0.500 | -- | 6.99 | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 0.203 | 0.200 | -- | 0.765 | 0.754 | -- | | 1 |
| 2-Hexanone | 1.16 | 0.200 | -- | 4.75 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 1.46 | 0.200 | -- | 9.90 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-15
 Client ID: 099_LSV-6
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:00
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | 0.204 | 0.200 | -- | 1.00 | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 103 | | 60-140 |
| Bromochloromethane | 99 | | 60-140 |
| chlorobenzene-d5 | 99 | | 60-140 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-16
 Client ID: 100_LSV-9
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:20
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 04:44
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 35.8 | 1.00 | -- | 85.0 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | 0.813 | 0.500 | -- | 2.00 | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | 0.444 | 0.200 | -- | 1.38 | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | 38.3 | 0.500 | -- | 113 | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-16
 Client ID: 100_LSV-9
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:20
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | 1.19 | 0.200 | -- | 5.81 | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 0.590 | 0.200 | -- | 2.08 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 1.33 | 0.200 | -- | 4.25 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | 1.50 | 0.200 | -- | 5.16 | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | 4.88 | 0.200 | -- | 22.8 | 0.934 | -- | | 1 |
| Heptane | 0.330 | 0.200 | -- | 1.35 | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | 5.06 | 0.200 | -- | 20.7 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 1.17 | 0.200 | -- | 7.93 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-16
 Client ID: 100_LSV-9
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 10:20
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 104 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 98 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-17
 Client ID: 101_LSV-10
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 11:15
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/22/20 05:23
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.297 | 0.200 | -- | 1.47 | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 21.5 | 1.00 | -- | 51.1 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | 0.383 | 0.200 | -- | 1.19 | 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 | 0.260 | 0.200 | -- | 0.937 | 0.721 | -- | | 1 |
| 2-Butanone | 61.4 | 0.500 | -- | 181 | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

SAMPLE RESULTS

Lab ID: L2038163-17
 Client ID: 101_LSV-10
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 11:15
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | 0.224 | 0.200 | -- | 1.09 | 0.977 | -- | | 1 |
| Tetrahydrofuran | 8.30 | 0.500 | -- | 24.5 | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 0.670 | 0.200 | -- | 2.36 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 0.227 | 0.200 | -- | 0.725 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | 0.298 | 0.200 | -- | 1.03 | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| Xylenes, Total | 2.91 | 0.200 | -- | 12.6 | 0.869 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | 1.01 | 0.200 | -- | 4.14 | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | 0.562 | 0.500 | -- | 2.30 | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 0.719 | 0.200 | -- | 2.71 | 0.754 | -- | | 1 |
| 2-Hexanone | 8.49 | 0.200 | -- | 34.8 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 1.14 | 0.200 | -- | 7.73 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**SAMPLE RESULTS**

Lab ID: L2038163-17
 Client ID: 101_LSV-10
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 11:15
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Ethylbenzene | 0.680 | 0.200 | -- | 2.95 | 0.869 | -- | | 1 |
| p/m-Xylene | 2.09 | 0.400 | -- | 9.08 | 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 | 0.823 | 0.200 | -- | 3.57 | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | 0.227 | 0.200 | -- | 1.12 | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | 0.465 | 0.200 | -- | 2.29 | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 104 | | 60-140 |
| Bromochloromethane | 100 | | 60-140 |
| chlorobenzene-d5 | 123 | | 60-140 |



Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/21/20 14:34

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-17 Batch: WG1412610-4 | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| Xylenes, Total | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |



Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/21/20 14:34

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-17 Batch: WG1412610-4 | | | | | | | | |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |



Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/21/20 14:34

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-17 Batch: WG1412610-4 | | | | | | | | |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|---|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-17 Batch: WG1412610-3 | | | | | | | | |
| Dichlorodifluoromethane | 83 | | - | | 70-130 | - | | |
| Chloromethane | 91 | | - | | 70-130 | - | | |
| Freon-114 | 91 | | - | | 70-130 | - | | |
| Vinyl chloride | 88 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 97 | | - | | 70-130 | - | | |
| Bromomethane | 89 | | - | | 70-130 | - | | |
| Chloroethane | 88 | | - | | 70-130 | - | | |
| Ethanol | 86 | | - | | 40-160 | - | | |
| Vinyl bromide | 90 | | - | | 70-130 | - | | |
| Acetone | 68 | | - | | 40-160 | - | | |
| Trichlorofluoromethane | 85 | | - | | 70-130 | - | | |
| Isopropanol | 73 | | - | | 40-160 | - | | |
| 1,1-Dichloroethene | 99 | | - | | 70-130 | - | | |
| Tertiary butyl Alcohol | 90 | | - | | 70-130 | - | | |
| Methylene chloride | 97 | | - | | 70-130 | - | | |
| 3-Chloropropene | 100 | | - | | 70-130 | - | | |
| Carbon disulfide | 91 | | - | | 70-130 | - | | |
| Freon-113 | 96 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 88 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 91 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 101 | | - | | 70-130 | - | | |
| 2-Butanone | 97 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 94 | | - | | 70-130 | - | | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

| Parameter | LCS | Qual | LCS | Qual | %Recovery | RPD | Qual | RPD |
|---|-----------|------|-----------|------|-----------|-----|------|--------|
| | %Recovery | | %Recovery | | Limits | | | Limits |
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-17 Batch: WG1412610-3 | | | | | | | | |
| Ethyl Acetate | 90 | | - | | 70-130 | - | | |
| Chloroform | 95 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 95 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 89 | | - | | 70-130 | - | | |
| n-Hexane | 96 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 99 | | - | | 70-130 | - | | |
| Benzene | 96 | | - | | 70-130 | - | | |
| Carbon tetrachloride | 99 | | - | | 70-130 | - | | |
| Cyclohexane | 95 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 96 | | - | | 70-130 | - | | |
| Bromodichloromethane | 98 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 98 | | - | | 70-130 | - | | |
| Trichloroethene | 98 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 98 | | - | | 70-130 | - | | |
| Heptane | 104 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 107 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 104 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 94 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 101 | | - | | 70-130 | - | | |
| Toluene | 101 | | - | | 70-130 | - | | |
| 2-Hexanone | 103 | | - | | 70-130 | - | | |
| Dibromochloromethane | 105 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 100 | | - | | 70-130 | - | | |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST.

Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-17 Batch: WG1412610-3 | | | | | | | | |
| Tetrachloroethene | 103 | | - | | 70-130 | - | | |
| Chlorobenzene | 100 | | - | | 70-130 | - | | |
| Ethylbenzene | 104 | | - | | 70-130 | - | | |
| p/m-Xylene | 105 | | - | | 70-130 | - | | |
| Bromoform | 106 | | - | | 70-130 | - | | |
| Styrene | 106 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 104 | | - | | 70-130 | - | | |
| o-Xylene | 108 | | - | | 70-130 | - | | |
| 4-Ethyltoluene | 104 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 105 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 112 | | - | | 70-130 | - | | |
| Benzyl chloride | 129 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 108 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 106 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 107 | | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 107 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 109 | | - | | 70-130 | - | | |

Project Name: 280 WEST 155TH ST.

Serial_No:09222017:03
Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|---------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L2038163-01 | 085_AMBIENT-1 | 0676 | Flow 4 | 09/14/20 | 329605 | | - | - | - | Pass | 10.0 | 13.9 | 33 |
| L2038163-01 | 085_AMBIENT-1 | 2050 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.7 | -2.8 | - | - | - | - |
| L2038163-02 | 086_LSV-13 | 01746 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 37.3 | 7 |
| L2038163-02 | 086_LSV-13 | 2465 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.6 | -5.5 | - | - | - | - |
| L2038163-03 | 087_DUP-1 | 0954 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 44.5 | 11 |
| L2038163-03 | 087_DUP-1 | 3392 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.4 | -2.5 | - | - | - | - |
| L2038163-04 | 088_LSV-18 | 01587 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 36.6 | 9 |
| L2038163-04 | 088_LSV-18 | 953 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.7 | -3.8 | - | - | - | - |
| L2038163-05 | 089_LSV-17 | 01794 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 39.7 | 1 |
| L2038163-05 | 089_LSV-17 | 3346 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.4 | -4.3 | - | - | - | - |
| L2038163-06 | 090_LSV-12 | 01735 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 38.7 | 3 |
| L2038163-06 | 090_LSV-12 | 3464 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.5 | -3.1 | - | - | - | - |
| L2038163-07 | 091_LSV-11 | 01922 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 40.9 | 2 |
| L2038163-07 | 091_LSV-11 | 1559 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.5 | -5.2 | - | - | - | - |
| L2038163-08 | 092_LSV-8 | 0561 | Flow 3 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 38.9 | 3 |



Project Name: 280 WEST 155TH ST.

Serial_No:09222017:03
Lab Number: L2038163

Project Number: 100765102

Report Date: 09/22/20

Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|---------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L2038163-08 | 092_LSV-8 | 2951 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.5 | -4.1 | - | - | - | - |
| L2038163-09 | 093_LSV-7 | 01518 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 42.2 | 5 |
| L2038163-09 | 093_LSV-7 | 3281 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.6 | -3.8 | - | - | - | - |
| L2038163-10 | 094_LSV-16 | 01107 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 35.6 | 12 |
| L2038163-10 | 094_LSV-16 | 1621 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.3 | -3.9 | - | - | - | - |
| L2038163-11 | 095_AMBIENT-2 | 01653 | Flow 4 | 09/14/20 | 329605 | | - | - | - | Pass | 10.0 | 8.9 | 12 |
| L2038163-11 | 095_AMBIENT-2 | 3300 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.5 | -6.0 | - | - | - | - |
| L2038163-12 | 096_LSV-14 | 0069 | Flow 3 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 18.5 | 74 |
| L2038163-12 | 096_LSV-14 | 2889 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.5 | -3.1 | - | - | - | - |
| L2038163-13 | 097_LSV-5 | 0648 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 38.9 | 3 |
| L2038163-13 | 097_LSV-5 | 1534 | 6.0L Can | 09/14/20 | 329605 | L2036663-08 | Pass | -29.5 | -1.2 | - | - | - | - |
| L2038163-14 | 098_LSV-15 | 01081 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 44.8 | 11 |
| L2038163-14 | 098_LSV-15 | 2069 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.7 | -3.1 | - | - | - | - |
| L2038163-15 | 099_LSV-6 | 0623 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 38.8 | 3 |
| L2038163-15 | 099_LSV-6 | 3319 | 6.0L Can | 09/14/20 | 329605 | L2036663-09 | Pass | -29.6 | 0.0 | - | - | - | - |



Project Name: 280 WEST 155TH ST.

Project Number: 100765102

Serial_No:09222017:03
Lab Number: L2038163

Report Date: 09/22/20

Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controller Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|-------------|------------|----------|------------|---------------|--------------|-------------------|----------------|---------------------------|------------------------------|--------------------------|-----------------|----------------|-------|
| L2038163-16 | 100_LSV-9 | 01724 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 35.3 | 12 |
| L2038163-16 | 100_LSV-9 | 2331 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.5 | -3.5 | - | - | - | - |
| L2038163-17 | 101_LSV-10 | 0968 | Flow 2 | 09/14/20 | 329605 | | - | - | - | Pass | 40.0 | 38.7 | 3 |
| L2038163-17 | 101_LSV-10 | 3314 | 6.0L Can | 09/14/20 | 329605 | L2036663-03 | Pass | -29.3 | 0.0 | - | - | - | - |

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/05/20 17:28
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Xylenes, total | ND | 0.600 | -- | ND | 0.869 | -- | | 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 |
| 1,2-Dichloroethene (total) | ND | 1.00 | -- | ND | 1.00 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 | 95 | | 60-140 |
| Bromochloromethane | 96 | | 60-140 |
| chlorobenzene-d5 | 91 | | 60-140 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/05/20 17:28
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Acrolein | ND | 0.050 | -- | ND | 0.115 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| 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-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-03
 Client ID: CAN 1979 SHELF 32
 Sample Location:

Date Collected: 09/03/20 16:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 98 | | 60-140 |
| bromochloromethane | 98 | | 60-140 |
| chlorobenzene-d5 | 93 | | 60-140 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/05/20 20:44
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Xylenes, total | ND | 0.600 | -- | ND | 0.869 | -- | | 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 |
| 1,2-Dichloroethene (total) | ND | 1.00 | -- | ND | 1.00 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 | 109 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 102 | | 60-140 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/05/20 20:44
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Acrolein | ND | 0.050 | -- | ND | 0.115 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| 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-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-08
 Client ID: CAN 1945 SHELF 37
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 113 | | 60-140 |
| bromochloromethane | 104 | | 60-140 |
| chlorobenzene-d5 | 105 | | 60-140 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/05/20 21:23
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Xylenes, total | ND | 0.600 | -- | ND | 0.869 | -- | | 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 |
| 1,2-Dichloroethene (total) | ND | 1.00 | -- | ND | 1.00 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|--|---------|----|-----|---------|----|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 | 112 | | 60-140 |
| Bromochloromethane | 103 | | 60-140 |
| chlorobenzene-d5 | 102 | | 60-140 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/05/20 21:23
 Analyst: TS

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| 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 |
| Acrolein | ND | 0.050 | -- | ND | 0.115 | -- | | 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 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| 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-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2036663
Report Date: 09/22/20

Air Canister Certification Results

Lab ID: L2036663-09
 Client ID: CAN 1981 SHELF 38
 Sample Location:

Date Collected: 09/04/20 07:00
 Date Received: 09/04/20
 Field Prep: Not Specified

Sample Depth:

| Parameter | ppbV | | | ug/m3 | | | Qualifier | Dilution Factor |
|---|---------|-------|-----|---------|-------|-----|-----------|-----------------|
| | Results | RL | MDL | Results | RL | MDL | | |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 115 | | 60-140 |
| bromochloromethane | 104 | | 60-140 |
| chlorobenzene-d5 | 105 | | 60-140 |



Project Name: 280 WEST 155TH ST.**Lab Number:** L2038163**Project Number:** 100765102**Report Date:** 09/22/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| | |
|---------------|---------------------|
| Cooler | Custody Seal |
| NA | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|-----------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2038163-01A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-02A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-03A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-04A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-05A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-06A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-07A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-08A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-09A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-10A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-11A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-12A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-13A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-14A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-15A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-16A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |
| L2038163-17A | Canister - 6 Liter | NA | NA | | | Y | Absent | | TO15-LL(30) |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

Report Format: Data Usability Report



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

- 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. 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. 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 reporting limit (RL) for the sample.
- 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

Report Format: Data Usability Report



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

Data Qualifiers

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: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038163
Report Date: 09/22/20

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.



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, SM4500CI-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.

AIR ANALYSIS



CHAIN OF CUSTODY

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

PAGE _____ OF _____

Date Rec'd in Lab: 9/15/20

ALPHA Job #: L2038163

Client Information

Client: Langan
Address: 300 Kimball Dr.
Parsippany, NJ
Phone: 973-560-4900
Fax: 973-560-4901
Email: akritzer@langan.com

Project Information

Project Name: 280 West 155th St.
Project Location: Manhattan, NY
Project #: 100765102
Project Manager: Ben Rao
ALPHA Quote #:

Report Information - Data Deliverables

FAX
 ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables:
ASP-B, NYSDEC EDD
Report to: (if different than Project Manager)

Billing Information

Same as Client info PO #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: Time:

Regulatory Requirements/Report Limits

| State/Fed | Program | Res / Comm |
|-----------|---------|------------|
| | | |
| | | |
| | | |

Other Project Specific Requirements/Comments: to be batched with future samples

Project-Specific Target Compound List:

Container # 3321 w/Flow Control #575
went to O/Ambient within 35 minutes.
Do not run.

ANALYSIS

TO-15 SIM
TO-15 SIM
APH Substit Non-petroleum HCs
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

| ALPHA Lab ID (Lab Use Only) | Sample ID | COLLECTION | | | | | | Sample Matrix* | Sampler's Initials | Can Size | ID Can | ID - Flow Controller | TO-15 | TO-15 SIM | APH | Fixed Gases | Sulfides & Mercaptans by TO-15 | Sample Comments (i.e. PID) |
|--------------------------------|-----------------|------------|------------|----------|----------------|--------------|----|----------------|--------------------|----------|--------|----------------------|-------|-----------|-----|-------------|--------------------------------|----------------------------|
| | | End Date | Start Time | End Time | Initial Vacuum | Final Vacuum | | | | | | | | | | | | |
| 38/63-01 | 085 - Ambient-1 | 9/14/20 | 0650 | 1430 | -29.7 | -2.72 | AA | mg | 6L | 2050 | 676 | X | | | | | | |
| 02 | 086 - LSV-13 | 9/14/20 | 0750 | 0952 | -29.6 | -5.94 | SV | mg | 6L | 2465 | 1746 | Y | | | | | | |
| 03 | 087 - DUP-1 | 9/14/20 | 0750 | 0952 | -29.4 | -3.07 | SV | mg | 6L | 3352 | 954 | X | | | | | | |
| 04 | 088 - LSV-18 | 9/14/20 | 0810 | 1020 | -29.7 | -3.98 | SV | mg | 6L | 453 | 1587 | X | | | | | | |
| 05 | 089 - LSV-17 | 9/14/20 | 0930 | 1130 | -29.4 | -4.79 | SV | mg | 6L | 3346 | 1794 | X | | | | | | |
| 06 | 090 - LSV-12 | 9/14/20 | 0845 | 1040 | -29.5 | -3.18 | SV | mg | 6L | 3464 | 1735 | Y | | | | | | |
| 07 | 091 - LSV-11 | 9/14/20 | 0935 | 1120 | -29.5 | -4.78 | SV | mg | 6L | 1559 | 1922 | Y | | | | | | |
| 08 | 092 - LSV-8 | 9/14/20 | 0900 | 1115 | -29.5 | -3.91 | SV | mg | 6L | 2951 | 501 | X | | | | | | |
| 09 | 093 - LSV-7 | 9/14/20 | 0920 | 1117 | -29.6 | -2.87 | SV | mg | 6L | 3281 | 1518 | X | | | | | | |
| 10 | 094 - LSV-10 | 9/14/20 | 1145 | 1340 | -29.3 | -3.87 | SV | mg | 6L | 1621 | 1107 | X | | | | | | |

***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:

Muller / Langan
Rog / Rao

9/14/20 1445
9/14/20 1600

116 Vogel / Rao

9/14/20 1445
9/14/20 1600



AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Client Information

Client: Langan
 Address: 300 Kimball Dr.
Parsippany, NJ
 Phone: 973-560-4900
 Fax: 973-560-4901
 Email: AKritzer@langan.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments: To be batched with samples from 9/14, L2038163.

Project-Specific Target Compound List:

Project Information

Project Name: 280 West 155th Street
 Project Location: Manhattan, NY
 Project #: 100765102
 Project Manager: Ben Rao
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: _____ Time: _____

Date Rec'd in Lab: 9/16/20

Report Information - Data Deliverables

FAX
 ADEX
 Criteria Checker: _____
 (Default based on Regulatory Criteria Indicated)
 Other Formats: _____
 EMAIL (standard pdf report)
 Additional Deliverables:
ASP-B, NYSOEC EDD
 Report to: (if different than Project Manager)

ALPHA Job #: L2038163

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

| State/Fed | Program | Res / Comm |
|-----------|---------|------------|
| | | |
| | | |
| | | |

All Columns Below Must Be Filled Out

| ALPHA Lab ID (Lab Use Only) | Sample ID | COLLECTION | | | | | Sample Matrix* | Sampler's Initials | Can Size | ID Can | ID - Flow Controller | TO-15 | TO-15 SIM | APH Substr Non-petroleum HCs | Fixed Gases | Sulfides & Mercaptans by TO-15 | Sample Comments (i.e. PID) |
|--------------------------------|---------------|------------|------------|----------|----------------|--------------|----------------|--------------------|----------|--------|----------------------|-------|-----------|------------------------------|-------------|--------------------------------|----------------------------|
| | | End Date | Start Time | End Time | Initial Vacuum | Final Vacuum | | | | | | | | | | | |
| 38163-11 | 095_Ambient-2 | 9/15/20 | 0700 | 1440 | -29.5 | -6.44 | AA | mg | 6L | 3300 | 1653 | X | | | | | |
| -12 | 096_LSV-14 | 9/15/20 | 0725 | 10:17 | -29.5 | -4.66 | SV | mg | 6L | 2839 | 0069 | X | | | | | |
| -13 | 097_LSV-5 | 9/15/20 | 0740 | 0958 | -29.5 | -3.46 | SV | mg | 6L | 1534 | 648 | X | | | | | |
| -14 | 098_LSV-15 | 9/15/20 | 0755 | 09:40 | -29.7 | -4.77 | SV | mg | 6L | 2009 | 1081 | X | | | | | |
| -15 | 099_LSV-6 | 9/15/20 | 0810 | 10:00 | -29.6 | -1.67 | SV | mg | 6L | 3319 | 623 | Y | | | | | |
| -16 | 100_LSV-9 | 9/15/20 | 0825 | 10:20 | -29.5 | -4.07 | SV | mg | 6L | 2331 | 1724 | X | | | | | |
| -17 | 101_LSV-10 | 9/15/20 | 0900 | 11:15 | -29.3 | -0.89 | SV | mg | 6L | 3314 | 958 | X | | | | | |



*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:

Moham Joo / Langan
AKritzer

9/15/20 1445
9/15/20 1940

AKritzer
AKritzer
9/15/20 1445
9/16/20 01:00



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2038355 |
| Client: | Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172 |
| ATTN: | Allyson Kritzer |
| Phone: | (973) 560-4289 |
| Project Name: | 280 WEST 155TH ST. |
| Project Number: | 100765102 |
| Report Date: | 09/28/20 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2038355-01 | 077_PRODUCT-3 | OIL | MANHATTAN, NY | 09/15/20 12:45 | 09/15/20 |
| L2038355-02 | 102_PRODUCT-4 | OIL | MANHATTAN, NY | 09/15/20 13:30 | 09/15/20 |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

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: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

Case Narrative (continued)

Report Submission

The analysis of Density and Viscosity were subcontracted to Sterling Analytical Inc. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

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

Petroleum Hydrocarbon Identification by GC-FID

L2038355-01 and -02: The samples were extracted and then analyzed using a gas chromatograph equipped with a flame ionization detector (GC/FID). The temperature program and associated experimental conditions were optimized to obtain maximum resolution in an eighty minute chromatographic run representative of hydrocarbons in the n-Octane (C8) to n-Tetracontane (C40) range. Qualitative evaluation of the sample was conducted by reviewing the sample chromatogram in conjunction with a chromatogram of a normal alkane series generated with the same chromatographic conditions. Chromatograms of hydrocarbon reference materials obtained from our library of 82 reference standards were also utilized to provide the best possible sample match. Quantitative determination of the sample's hydrocarbon concentration was performed in accordance with EPA Method 8015M. The sample's total hydrocarbon concentration and all associated quality control data are included in the report.

The following qualitative information is based on a tentative interpretation of chromatographic pattern recognition and boiling point ranges:

Total Petroleum Hydrocarbon Identification

L2038355-01 and -02 contain hydrocarbons eluting in the range of n-Nonane (C9) to after the elution of n-Tetracontane (C40).

Based on the data generated, L2038355-01 and -02 contain material eluting in the low to mid weight ranges of the chromatogram. The material present is similar to Fuel Oil #6. In an analysis of an undegraded product the n-alkanes are typically the dominant constituents, as seen in the petroleum reference chromatogram. As the product deteriorates, the n-alkanes are preferentially degraded, leaving behind other constituents such as

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

Case Narrative (continued)

isoprenoids. The analytical testing of the sample identified a pattern of isoprenoids. The level of alkanes and their ratios to the isoprenoids present indicates that the fuel oil has undergone degradation.

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: 09/28/20

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038355-01
 Client ID: 077_PRODUCT-3
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 12:45
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8015D(M)
 Analytical Date: 09/18/20 01:00
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 09/16/20 10:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab | | | | | | |
| Total Petroleum Hydrocarbons (C9-C44) | 495000 | | mg/kg | 6140 | 3070 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------|------------|-----------|---------------------|
| o-Terphenyl | 109 | | 50-130 |
| d50-Tetracosane | 121 | | 50-130 |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038355-02
 Client ID: 102_PRODUCT-4
 Sample Location: MANHATTAN, NY

Date Collected: 09/15/20 13:30
 Date Received: 09/15/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8015D(M)
 Analytical Date: 09/18/20 02:29
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 09/16/20 10:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab | | | | | | |
| Total Petroleum Hydrocarbons (C9-C44) | 516000 | | mg/kg | 6280 | 3140 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------|------------|-----------|---------------------|
| o-Terphenyl | 105 | | 50-130 |
| d50-Tetracosane | 122 | | 50-130 |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8015D(M)
Analytical Date: 09/17/20 14:39
Analyst: WR

Extraction Method: EPA 3580A
Extraction Date: 09/16/20 10:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab for sample(s): 01-02 Batch: WG1410516-1 | | | | | |
| Total Petroleum Hydrocarbons (C9-C44) | ND | | mg/kg | 6600 | 3300 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------|-----------|-----------|---------------------|
| o-Terphenyl | 120 | | 50-130 |
| d50-Tetracosane | 120 | | 50-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH ST.

Lab Number: L2038355

Project Number: 100765102

Report Date: 09/28/20

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab Associated sample(s): 01-02 Batch: WG1410516-2 WG1410516-3 | | | | | | | | |
| Nonane (C9) | 116 | | 106 | | 50-130 | 9 | | 30 |
| Decane (C10) | 116 | | 105 | | 50-130 | 10 | | 30 |
| Dodecane (C12) | 117 | | 106 | | 50-130 | 10 | | 30 |
| Tetradecane (C14) | 116 | | 106 | | 50-130 | 9 | | 30 |
| Hexadecane (C16) | 119 | | 110 | | 50-130 | 8 | | 30 |
| Octadecane (C18) | 120 | | 111 | | 50-130 | 8 | | 30 |
| Nonadecane (C19) | 117 | | 108 | | 50-130 | 8 | | 30 |
| Eicosane (C20) | 122 | | 113 | | 50-130 | 8 | | 30 |
| Docosane (C22) | 117 | | 108 | | 50-130 | 8 | | 30 |
| Tetracosane (C24) | 118 | | 109 | | 50-130 | 8 | | 30 |
| Hexacosane (C26) | 118 | | 109 | | 50-130 | 8 | | 30 |
| Octacosane (C28) | 124 | | 115 | | 50-130 | 8 | | 30 |
| Triacontane (C30) | 121 | | 112 | | 50-130 | 8 | | 30 |
| Hexatriacontane (C36) | 115 | | 108 | | 50-130 | 6 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------|------------------|------|-------------------|------|------------------------|
| o-Terphenyl | 120 | | 110 | | 50-130 |
| d50-Tetracosane | 120 | | 112 | | 50-130 |

Project Name: 280 WEST 155TH ST.**Lab Number:** L2038355**Project Number:** 100765102**Report Date:** 09/28/20**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(*) |
|---------------------|-----------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-----------------------------------|
| L2038355-01A | Glass 250ml/8oz unpreserved | A | NA | | 5.2 | Y | Absent | | A2-PHI(365) |
| L2038355-01B | Glass 250ml/8oz unpreserved | A | NA | | 5.2 | Y | Absent | | SUB-DENSITY(28),SUB-VISCOSITY(28) |
| L2038355-02A | Glass 250ml/8oz unpreserved | A | NA | | 5.2 | Y | Absent | | A2-PHI(365) |
| L2038355-02B | Glass 250ml/8oz unpreserved | A | NA | | 5.2 | Y | Absent | | SUB-DENSITY(28),SUB-VISCOSITY(28) |

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

- 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. 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.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 280 WEST 155TH ST.
Project Number: 100765102

Lab Number: L2038355
Report Date: 09/28/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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, SM4500CI-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.

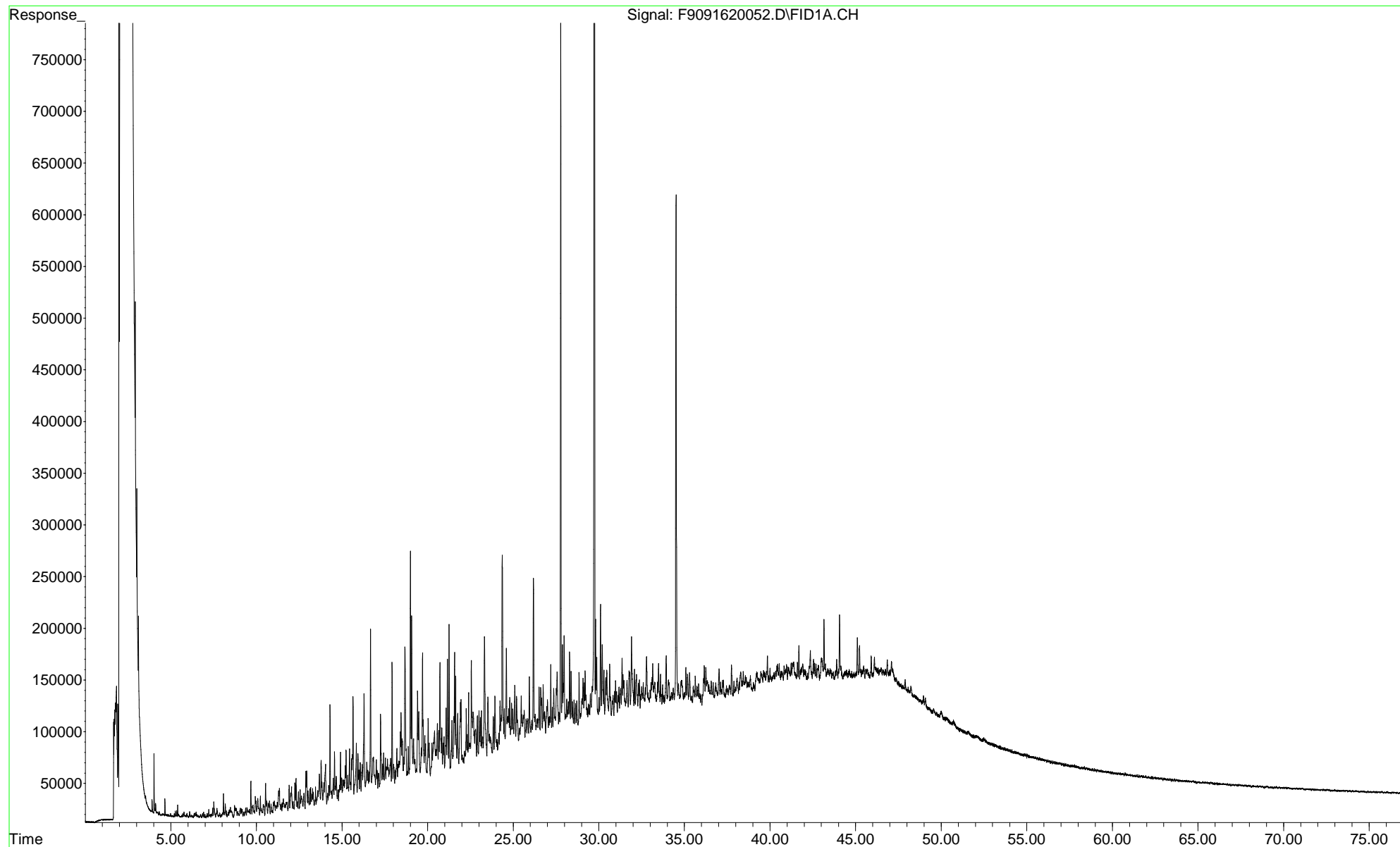
SM2340B

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

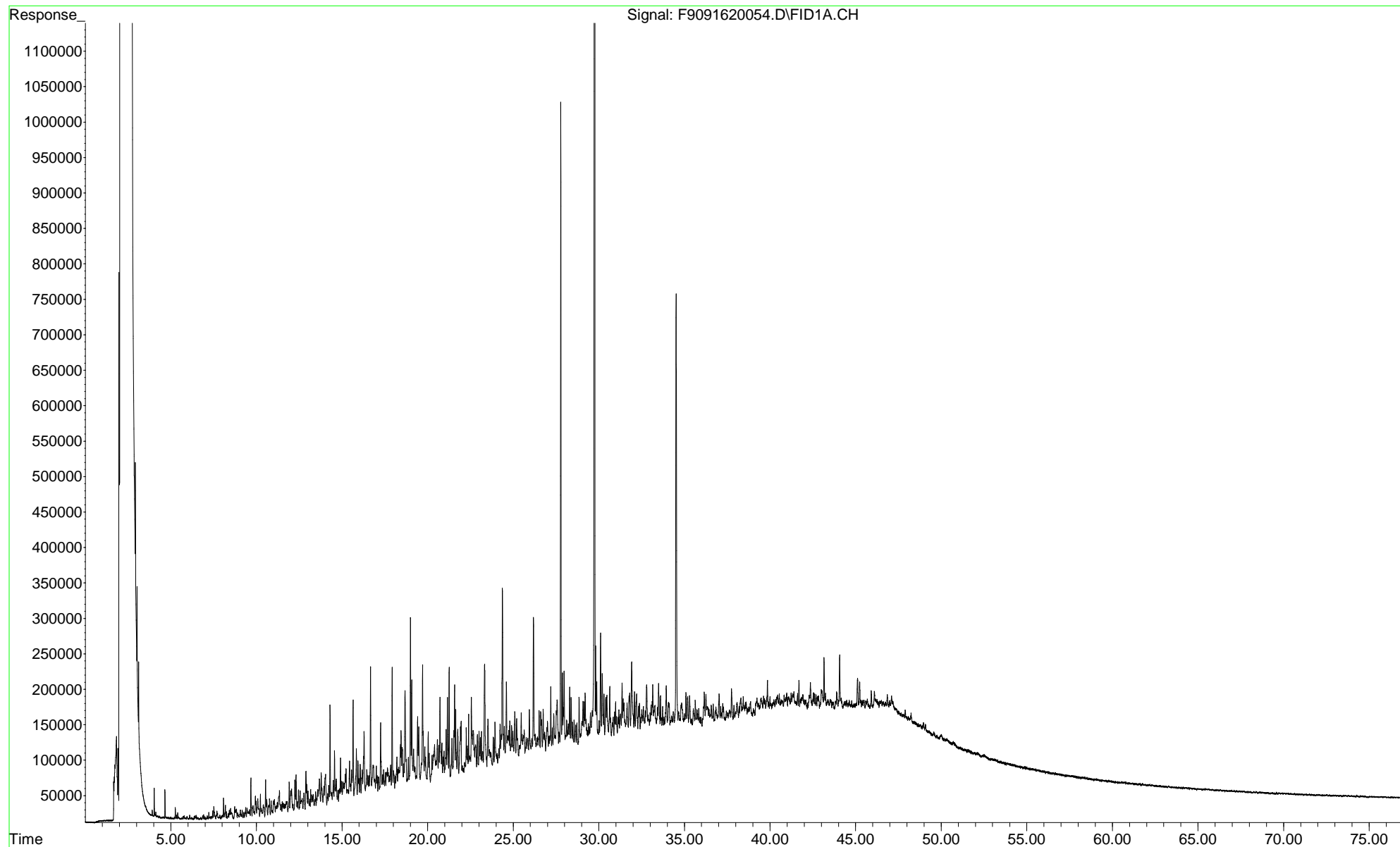
| | | | | | | | | | | |
|---|---|--|-------------------|--|--|--------------------------------|--------------------------|--|--------------------------|--------------|
|  NEW YORK CHAIN OF CUSTODY | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page | Date Rec'd in Lab | ALPHA Job # | | | | | | |
| | | 1 of 1 | 9/15/20 | L20 38355 | | | | | | |
| 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 | Project Information | | Deliverables | Billing Information | | | | | |
| Project Name: <u>280 West 155th St.</u> Project Location: <u>Manhattan, NY</u> Project # <u>100 705102</u> (Use Project name as Project #) <input type="checkbox"/> | | Project Manager: <u>Ben Rep</u> ALPHAQuote #: | | <input type="checkbox"/> ASP-A <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> Other | <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Same as Client Info PO # | | | | | |
| Client Information | | Regulatory Requirement | | Disposal Site Information | | | | | | |
| Client: <u>Langan</u> Address: <u>300 Kimball Dr Parsippany, NJ</u> Phone: <u>973-560-4900</u> Fax: <u>973-560-4901</u> Email: <u>AKritzer@langan.com</u> | | <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | <input type="checkbox"/> NY Part 375 <input type="checkbox"/> NY CP-51 <input type="checkbox"/> Other Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | | |
| Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: | | These samples have been previously analyzed by Alpha <input type="checkbox"/> | | | | | | | | |
| Other project specific requirements/comments: Please specify Metals or TAL. | | ANALYSIS | | Sample Filtration | | | | | | |
| | | Finger print analysis Viscosity, Boiling point Density | | <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) | | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Finger print analysis | Viscosity, Boiling point | Density | Sample Specific Comments | Total Bottle |
| 38355-01 | 077-Product-3 | 9/15/20 | 1245 | Product | mg | X | X | X | | 2 |
| -02 | 077-Product-3 102-Product-4 | 9/15/20 | 1330 | Product | mg | X | X | X | | 2 |
|  | | | | | | | | | | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type Preservative | | 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.) | | |
| | | Relinquished By: | | Date/Time | | Received By: | | Date/Time | | |
| | | [Signature] / Langan | | 9/15/20 1430 | | [Signature] (AAL) | | 9/15/20 1430 | | |
| | | [Signature] (AAL) | | 9/15/20 1940 | | [Signature] AAL | | 9/15/20 20:41 | | |
| | | [Signature] AAL | | 9/15/20 23:55 | | [Signature] | | 9/15/20 23:55 | | |

GC-FID Chromatogram

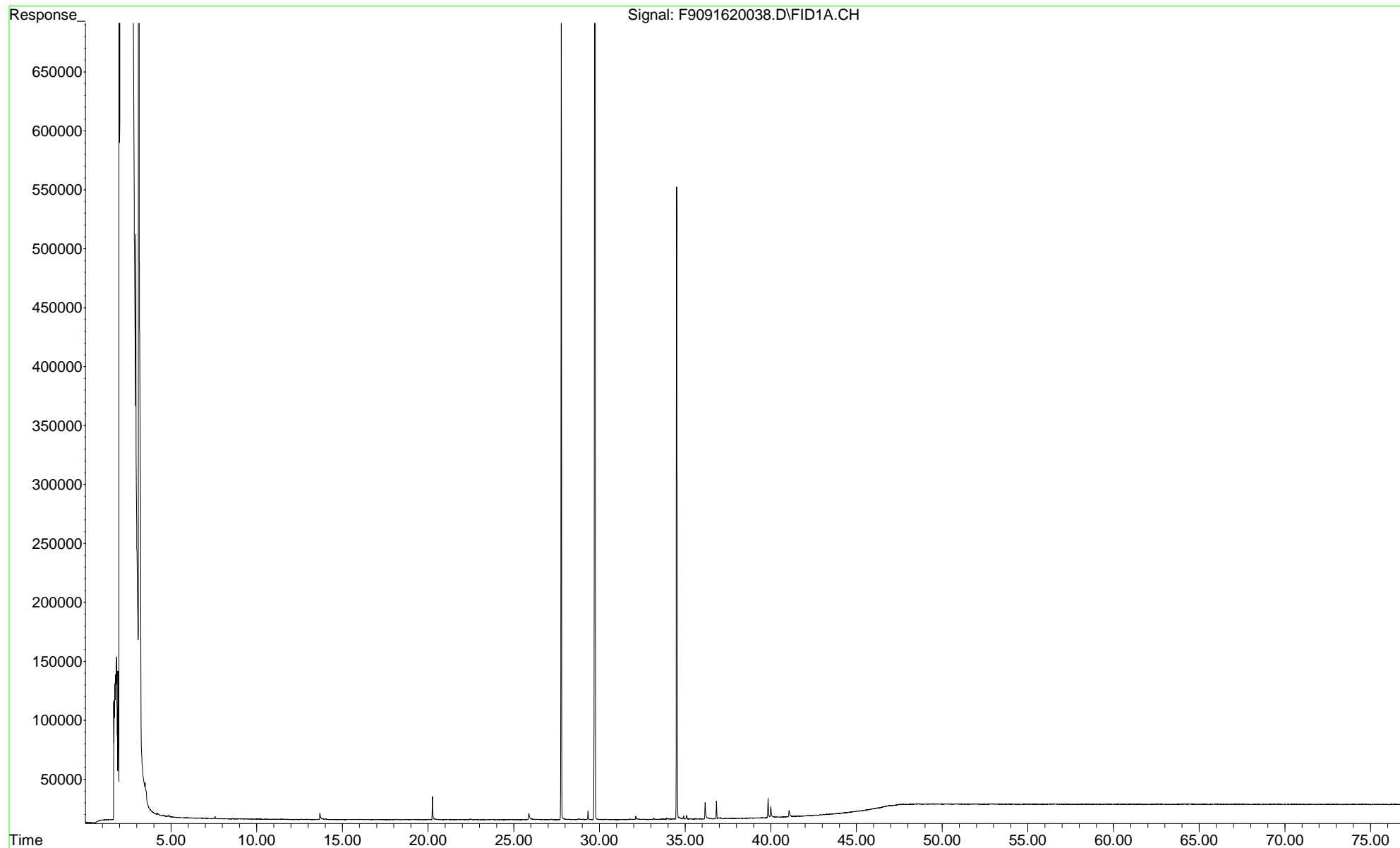
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Operator : FID9:WR
Acquired : 18 Sep 2020 1:00 am using AcqMethod FID9A.M
Instrument : FID 9
Sample Name: L2038355-01
Misc Info : WG1410816,WG1410516,ICAL16844
Vial Number: 26



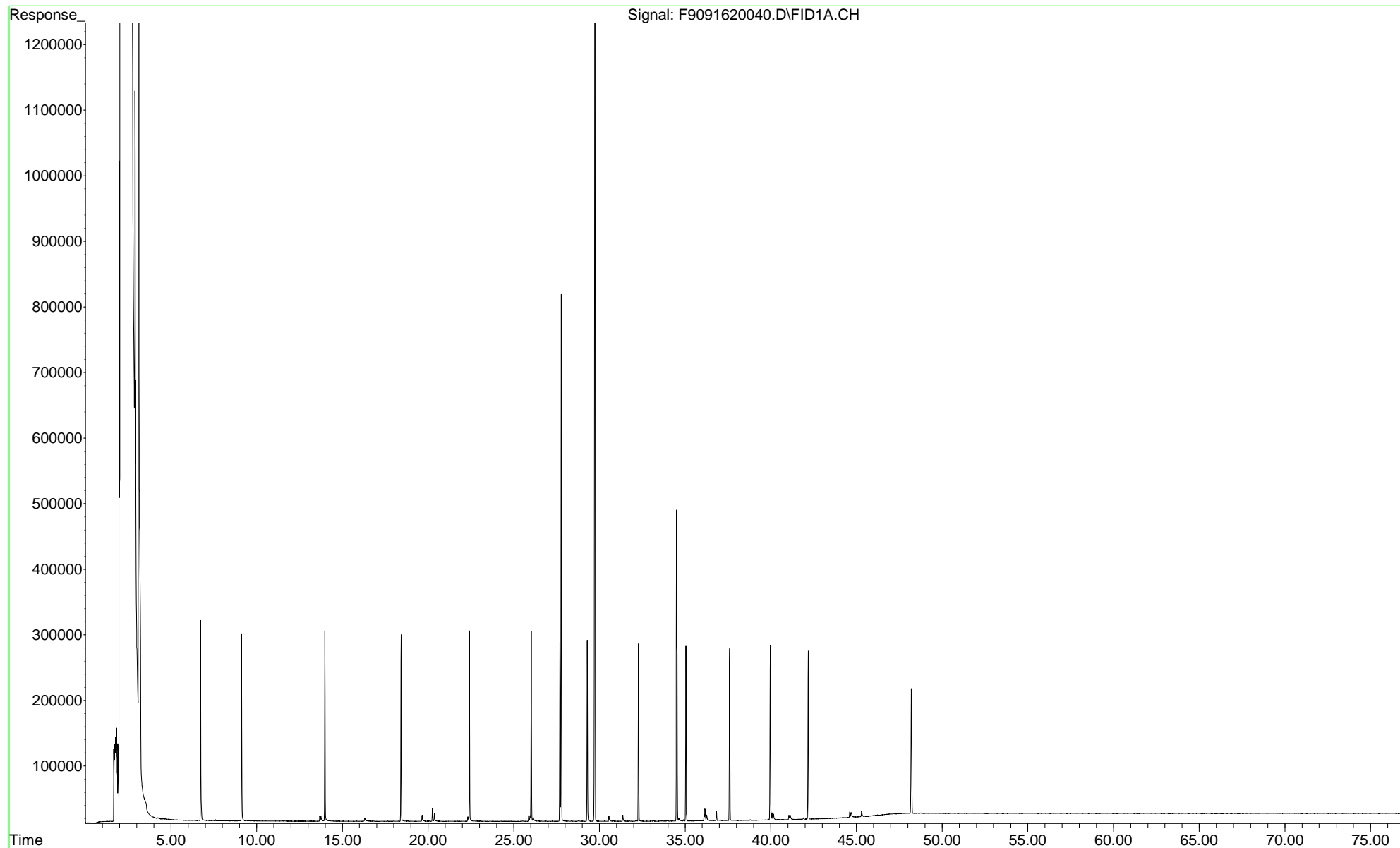
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Operator : FID9:WR
Acquired : 18 Sep 2020 2:29 am using AcqMethod FID9A.M
Instrument : FID 9
Sample Name: L2038355-02
Misc Info : WG1410816,WG1410516,ICAL16844
Vial Number: 27



File :O:\Forensics\Data\FID9\2020\SEP\SEP16\F9091620038.D
Operator : FID9:WR
Acquired : 17 Sep 2020 2:39 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample Name: WG1410516-1 (Method Blank)
Misc Info : WG1410816,WG1410516,ICAL16844
Vial Number: 19

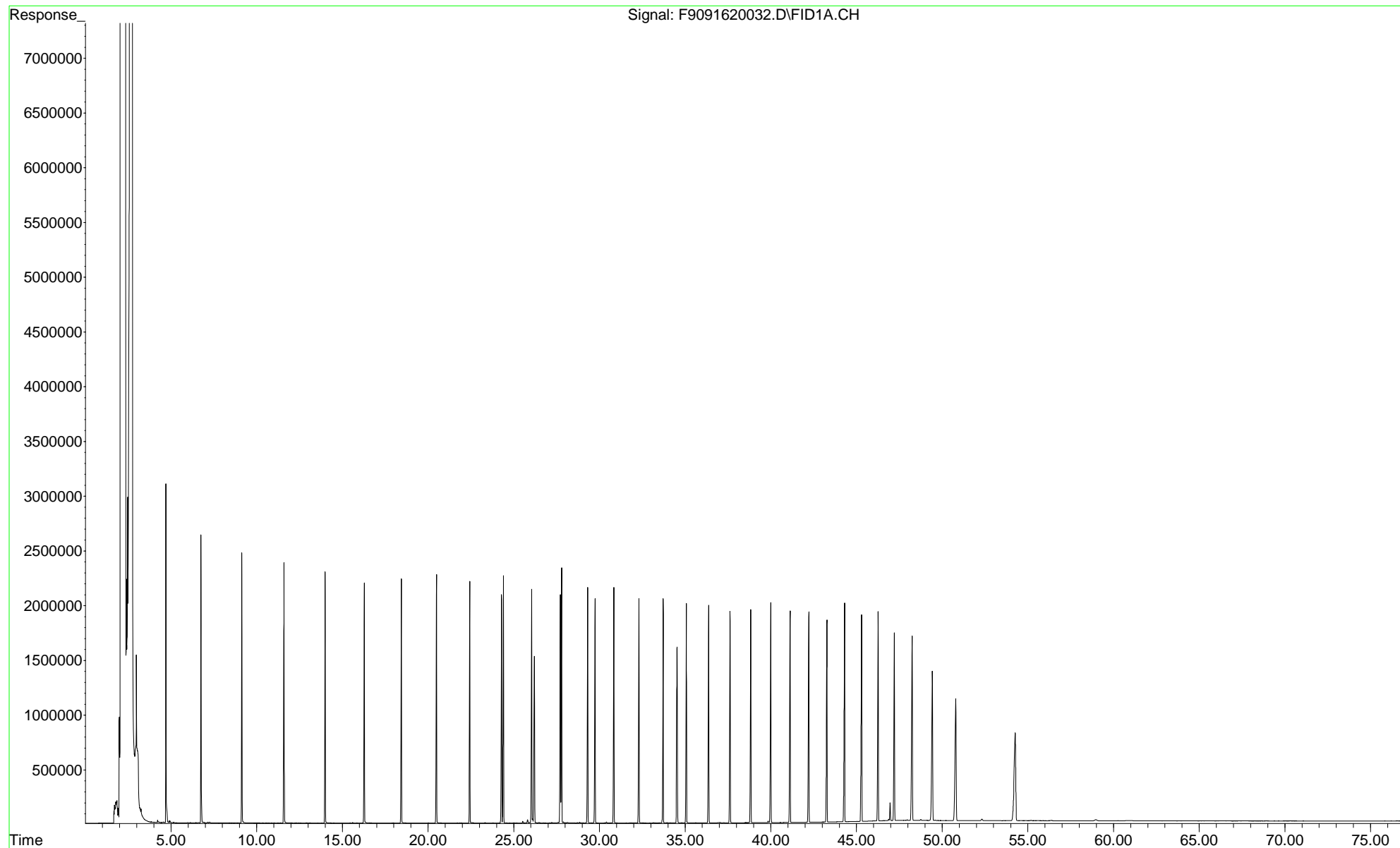


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Operator : FID9:WR
Acquired : 17 Sep 2020 4:08 pm using AcqMethod FID9A.M
Instrument : FID 9
Sample Name: WG1410516-2 (Laboratory Control Sample)
Misc Info : WG1410816,WG1410516,ICAL16844
Vial Number: 20

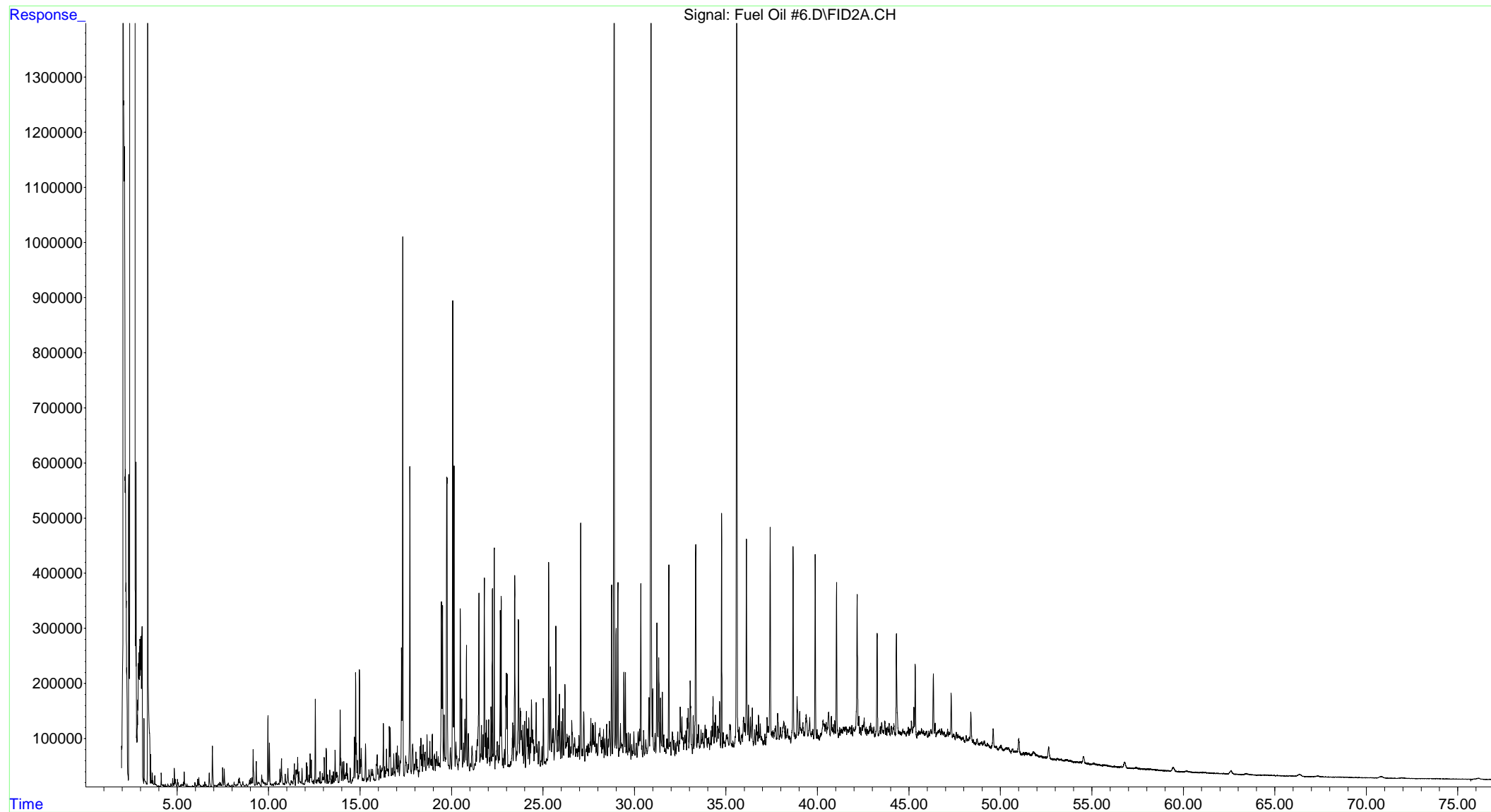


Petroleum Reference Standards

File :O:\Forensics\Data\FID9\2020\SEP\SEP16\F9091620032.D
Operator : FID9:WR
Acquired : 17 Sep 2020 10:13 am using AcqMethod FID9A.M
Instrument : FID 9
Sample Name: WG1410816-2 (Alkane Reference Standard)
Misc Info : WG1410816,FRBC72,ICAL16844
Vial Number: 16



File :O:\Forensics\LIBRARY\Hydrocarbon Reference Standards\Fuel Oi
... l #6.D
Operator : PAH2:AC
Instrument : PAH 2
Acquired : 22 Nov 2011 7:50 am using AcqMethod FRNC2AF.M
Sample : FUEL OIL #6
Misc Info : 1X F042710F



**Sterling Analytical, Inc.**

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 West Springfield, MA 01089
 Phone (413) 214-6541 Fax (413) 214-6842
 email-madhu@sterlinganalytical.com

Mass Certification - MA-00071
 Conn Certification - PH-0520

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Report Date September 23, 2020

| Customer | Contact | Laboratory Supervisor | eMail |
|--|---------|-----------------------|--|
| Alpha Analytical Lab | B. Rao | Madhu Shah | customerservice@sterlinganalytical.com |
| Sample Description Analysis of Oil Samples | | | |

Samples Analyzed

Enclosed are Report No(s): 71755, 71756

There were not enough sample to test Boiling point

Thank you for your business

madhu shah

9/23/2020

Madhu Shah, Laboratory Supervisor

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.

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| Sample Description | Source | Taken/Time | Received |
|------------------------------|----------------------|-------------------|-----------------|
| 71755 L2038355 077-Product-3 | Alpha Analytical Lab | 9/11/20 | 9/16/20 |

| Parameter | Results | RDL | Method | Analyzed/Time | Tech |
|------------------------|----------------|------------|---------------|----------------------|-------------|
| Density | 0.9952 gm/mL | 0.10 | ASTM D792 | 09/22/20 | sjr |
| Viscosity, SSF @ 122°F | 516 | | ASTM D2161 | 09/22/20 | sjr |

| Sample Description | Source | Taken/Time | Received |
|------------------------------|----------------------|-------------------|-----------------|
| 71756 L2038355 102-Product-4 | Alpha Analytical Lab | 9/11/20 | 9/16/20 |

| Parameter | Results | RDL | Method | Analyzed/Time | Tech |
|------------------------|----------------|------------|---------------|----------------------|-------------|
| Density | 0.9979 gm/mL | 0.10 | ASTM D792 | 09/22/20 | sjr |
| Viscosity, SSF @ 122°F | 485 | | ASTM D2161 | 09/22/20 | sjr |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2109792 |
| Client: | Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054-2172 |
| ATTN: | Amanda Forsburg |
| Phone: | (973) 560-4550 |
| Project Name: | 280 WEST 155TH STREET |
| Project Number: | 100765102 |
| Report Date: | 03/02/21 |

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

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



Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2109792

Report Date: 03/02/21

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|-----------------|-----------------------|--------|-----------------|----------------------|--------------|
| L2109792-01 | 106_LMW-4 | WATER | NY, NY | 02/26/21 09:05 | 02/26/21 |
| L2109792-02 | 107_LMW-4 (DISSOLVED) | WATER | NY, NY | 02/26/21 09:10 | 02/26/21 |
| L2109792-03 | 109_LMW-8 | WATER | NY, NY | 02/26/21 09:30 | 02/26/21 |
| L2109792-04 | 110_LMW-8 (DISSOLVED) | WATER | NY, NY | 02/26/21 09:40 | 02/26/21 |
| L2109792-05 | 112_LMW-9 | WATER | NY, NY | 02/26/21 11:10 | 02/26/21 |
| L2109792-06 | 113_LMW-9 (DISSOLVED) | WATER | NY, NY | 02/26/21 11:15 | 02/26/21 |
| L2109792-07 | 115_DUP-2 | WATER | NY, NY | 02/26/21 11:25 | 02/26/21 |
| L2109792-08 | 116_DUP-2 (DISSOLVED) | WATER | NY, NY | 02/26/21 11:30 | 02/26/21 |
| L2109792-09 | 118_LMW-3 | WATER | NY, NY | 02/26/21 11:30 | 02/26/21 |
| L2109792-10 | 119_LMW-3 (DISSOLVED) | WATER | NY, NY | 02/26/21 11:40 | 02/26/21 |
| L2109792-11 | 121_LMW-7 | WATER | NY, NY | 02/26/21 13:15 | 02/26/21 |
| L2109792-12 | 122_LMW-7 (DISSOLVED) | WATER | NY, NY | 02/26/21 13:20 | 02/26/21 |
| L2109792-13 | 124_LMW-6 | WATER | NY, NY | 02/26/21 13:25 | 02/26/21 |
| L2109792-14 | 125_LMW-6 (DISSOLVED) | WATER | NY, NY | 02/26/21 13:30 | 02/26/21 |
| L2109792-15 | 127_LMW-1 | WATER | NY, NY | 02/26/21 14:40 | 02/26/21 |
| L2109792-16 | 128_LMW-1 (DISSOLVED) | WATER | NY, NY | 02/26/21 14:45 | 02/26/21 |
| L2109792-17 | 130_FB_02262021 | WATER | NY, NY | 02/26/21 15:00 | 02/26/21 |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

Case Narrative (continued)

Report Submission

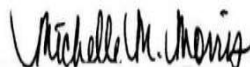
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2109792-04: The collection date and time on the chain of custody was 26-FEB-21 09:40; however, the collection date/time on the container label was 26-FEB-21 09:30. At the client's request, the collection date/time is reported as 26-FEB-21 09:40.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 03/02/21

ORGANICS

SEMIVOLATILES

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-01
 Client ID: 106_LMW-4
 Sample Location: NY, NY

Date Collected: 02/26/21 09:05
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 13:10
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.07 | J | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 34 | | 10-120 |
| Nitrobenzene-d5 | 95 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 15-120 |
| 2,4,6-Tribromophenol | 67 | | 10-120 |
| 4-Terphenyl-d14 | 84 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-02
 Client ID: 107_LMW-4 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 09:10
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 13:27
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 09:59

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.08 | J | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 65 | | 21-120 |
| Phenol-d6 | 49 | | 10-120 |
| Nitrobenzene-d5 | 121 | Q | 23-120 |
| 2-Fluorobiphenyl | 94 | | 15-120 |
| 2,4,6-Tribromophenol | 88 | | 10-120 |
| 4-Terphenyl-d14 | 112 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-03
 Client ID: 109_LMW-8
 Sample Location: NY, NY

Date Collected: 02/26/21 09:30
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 13:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.07 | J | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | 0.13 | | ug/l | 0.10 | 0.04 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Benzo(a)anthracene | 0.07 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 0.05 | J | ug/l | 0.10 | 0.04 | 1 |
| Benzo(b)fluoranthene | 0.05 | J | ug/l | 0.10 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Chrysene | 0.06 | J | 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 | 0.09 | J | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | 0.13 | | 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 | 0.15 | | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 34 | | 10-120 |
| Nitrobenzene-d5 | 93 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 15-120 |
| 2,4,6-Tribromophenol | 65 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-04
 Client ID: 110_LMW-8 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 09:40
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 14:00
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 09:59

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.06 | J | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | 0.04 | J | ug/l | 0.10 | 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 | 0.04 | J | ug/l | 0.10 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.04 | 1 |
| Fluorene | 0.07 | J | ug/l | 0.10 | 0.04 | 1 |
| Phenanthrene | 0.07 | 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 | 0.05 | J | ug/l | 0.10 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 58 | | 21-120 |
| Phenol-d6 | 44 | | 10-120 |
| Nitrobenzene-d5 | 117 | | 23-120 |
| 2-Fluorobiphenyl | 91 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 10-120 |
| 4-Terphenyl-d14 | 110 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-05
 Client ID: 112_LMW-9
 Sample Location: NY, NY

Date Collected: 02/26/21 11:10
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 14:17
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 50 | | 21-120 |
| Phenol-d6 | 35 | | 10-120 |
| Nitrobenzene-d5 | 100 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 15-120 |
| 2,4,6-Tribromophenol | 68 | | 10-120 |
| 4-Terphenyl-d14 | 85 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-06
 Client ID: 113_LMW-9 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 11:15
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 14:33
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 09:59

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 65 | | 21-120 |
| Phenol-d6 | 48 | | 10-120 |
| Nitrobenzene-d5 | 128 | Q | 23-120 |
| 2-Fluorobiphenyl | 94 | | 15-120 |
| 2,4,6-Tribromophenol | 74 | | 10-120 |
| 4-Terphenyl-d14 | 108 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-07
 Client ID: 115_DUP-2
 Sample Location: NY, NY

Date Collected: 02/26/21 11:25
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 14:49
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 48 | | 21-120 |
| Phenol-d6 | 34 | | 10-120 |
| Nitrobenzene-d5 | 96 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 15-120 |
| 2,4,6-Tribromophenol | 61 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-08
 Client ID: 116_DUP-2 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 11:30
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 15:05
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 09:59

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 57 | | 21-120 |
| Phenol-d6 | 43 | | 10-120 |
| Nitrobenzene-d5 | 116 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 15-120 |
| 2,4,6-Tribromophenol | 71 | | 10-120 |
| 4-Terphenyl-d14 | 100 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-09
 Client ID: 118_LMW-3
 Sample Location: NY, NY

Date Collected: 02/26/21 11:30
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 15:22
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 51 | | 21-120 |
| Phenol-d6 | 36 | | 10-120 |
| Nitrobenzene-d5 | 99 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 15-120 |
| 2,4,6-Tribromophenol | 63 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-10
 Client ID: 119_LMW-3 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 11:40
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 15:38
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 09:59

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 0.03 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 52 | | 21-120 |
| Phenol-d6 | 40 | | 10-120 |
| Nitrobenzene-d5 | 109 | | 23-120 |
| 2-Fluorobiphenyl | 85 | | 15-120 |
| 2,4,6-Tribromophenol | 70 | | 10-120 |
| 4-Terphenyl-d14 | 104 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-11
 Client ID: 121_LMW-7
 Sample Location: NY, NY

Date Collected: 02/26/21 13:15
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 15:55
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.28 | | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 0.05 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 48 | | 21-120 |
| Phenol-d6 | 34 | | 10-120 |
| Nitrobenzene-d5 | 96 | | 23-120 |
| 2-Fluorobiphenyl | 72 | | 15-120 |
| 2,4,6-Tribromophenol | 65 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-12
 Client ID: 122_LMW-7 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 13:20
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 16:11
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 10:05

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.31 | | ug/l | 0.11 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Naphthalene | ND | | ug/l | 0.11 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.11 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.11 | 0.02 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.11 | 0.05 | 1 |
| Chrysene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Acenaphthylene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Anthracene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.11 | 0.05 | 1 |
| Fluorene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Phenanthrene | 0.08 | J | ug/l | 0.11 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.11 | 0.04 | 1 |
| Pyrene | ND | | ug/l | 0.11 | 0.04 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.11 | 0.05 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 61 | | 21-120 |
| Phenol-d6 | 45 | | 10-120 |
| Nitrobenzene-d5 | 115 | | 23-120 |
| 2-Fluorobiphenyl | 88 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 10-120 |
| 4-Terphenyl-d14 | 106 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-13
 Client ID: 124_LMW-6
 Sample Location: NY, NY

Date Collected: 02/26/21 13:25
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 16:28
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.67 | | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 0.09 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 51 | | 21-120 |
| Phenol-d6 | 37 | | 10-120 |
| Nitrobenzene-d5 | 102 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 15-120 |
| 2,4,6-Tribromophenol | 71 | | 10-120 |
| 4-Terphenyl-d14 | 79 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-14
 Client ID: 125_LMW-6 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 13:30
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 16:44
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 10:05

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | 0.84 | | ug/l | 0.10 | 0.04 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 | 0.13 | | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 66 | | 21-120 |
| Phenol-d6 | 49 | | 10-120 |
| Nitrobenzene-d5 | 132 | Q | 23-120 |
| 2-Fluorobiphenyl | 96 | | 15-120 |
| 2,4,6-Tribromophenol | 97 | | 10-120 |
| 4-Terphenyl-d14 | 115 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-15
 Client ID: 127_LMW-1
 Sample Location: NY, NY

Date Collected: 02/26/21 14:40
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 17:01
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 43 | | 21-120 |
| Phenol-d6 | 31 | | 10-120 |
| Nitrobenzene-d5 | 85 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 15-120 |
| 2,4,6-Tribromophenol | 55 | | 10-120 |
| 4-Terphenyl-d14 | 70 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-16
 Client ID: 128_LMW-1 (DISSOLVED)
 Sample Location: NY, NY

Date Collected: 02/26/21 14:45
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 17:17
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 10:05

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 54 | | 21-120 |
| Phenol-d6 | 39 | | 10-120 |
| Nitrobenzene-d5 | 106 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 71 | | 10-120 |
| 4-Terphenyl-d14 | 92 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

SAMPLE RESULTS

Lab ID: L2109792-17
 Client ID: 130_FB_02262021
 Sample Location: NY, NY

Date Collected: 02/26/21 15:00
 Date Received: 02/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 03/01/21 17:34
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 02/27/21 07:30

| 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 |
| Fluoranthene | ND | | ug/l | 0.10 | 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 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol | 54 | | 21-120 |
| Phenol-d6 | 38 | | 10-120 |
| Nitrobenzene-d5 | 109 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 15-120 |
| 2,4,6-Tribromophenol | 68 | | 10-120 |
| 4-Terphenyl-d14 | 85 | | 41-149 |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8270D-SIM
Analytical Date: 03/01/21 12:20
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 02/27/21 07:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-17 Batch: WG1468919-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.04 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.04 |
| Naphthalene | ND | | ug/l | 0.10 | 0.04 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.04 |
| Benzo(b)fluoranthene | ND | | 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 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 33 | | 10-120 |
| Nitrobenzene-d5 | 95 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 15-120 |
| 2,4,6-Tribromophenol | 64 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |



Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2109792

Project Number: 100765102

Report Date: 03/02/21

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-17 Batch: WG1468919-2 WG1468919-3 | | | | | | | | |
| Acenaphthene | 80 | | 77 | | 40-140 | 4 | | 40 |
| Fluoranthene | 83 | | 78 | | 40-140 | 6 | | 40 |
| Naphthalene | 74 | | 70 | | 40-140 | 6 | | 40 |
| Benzo(a)anthracene | 84 | | 78 | | 40-140 | 7 | | 40 |
| Benzo(a)pyrene | 78 | | 74 | | 40-140 | 5 | | 40 |
| Benzo(b)fluoranthene | 87 | | 78 | | 40-140 | 11 | | 40 |
| Benzo(k)fluoranthene | 75 | | 78 | | 40-140 | 4 | | 40 |
| Chrysene | 79 | | 77 | | 40-140 | 3 | | 40 |
| Acenaphthylene | 86 | | 82 | | 40-140 | 5 | | 40 |
| Anthracene | 84 | | 80 | | 40-140 | 5 | | 40 |
| Benzo(ghi)perylene | 82 | | 78 | | 40-140 | 5 | | 40 |
| Fluorene | 79 | | 76 | | 40-140 | 4 | | 40 |
| Phenanthrene | 78 | | 74 | | 40-140 | 5 | | 40 |
| Dibenzo(a,h)anthracene | 87 | | 82 | | 40-140 | 6 | | 40 |
| Indeno(1,2,3-cd)pyrene | 94 | | 87 | | 40-140 | 8 | | 40 |
| Pyrene | 83 | | 79 | | 40-140 | 5 | | 40 |
| 2-Methylnaphthalene | 75 | | 72 | | 40-140 | 4 | | 40 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Lab Number: L2109792

Project Number: 100765102

Report Date: 03/02/21

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-17 Batch: WG1468919-2 WG1468919-3

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 52 | | 48 | | 21-120 |
| Phenol-d6 | 38 | | 35 | | 10-120 |
| Nitrobenzene-d5 | 97 | | 92 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 69 | | 15-120 |
| 2,4,6-Tribromophenol | 70 | | 67 | | 10-120 |
| 4-Terphenyl-d14 | 81 | | 76 | | 41-149 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2109792

Report Date: 03/02/21

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG1468919-4 WG1468919-5 QC Sample: L2109792-09 Client ID: 118_LMW-3 | | | | | | | | | | | | |
| Acenaphthene | ND | 10 | 8.1 | 81 | | 8.4 | 84 | | 40-140 | 4 | | 40 |
| Fluoranthene | ND | 10 | 8.2 | 82 | | 8.4 | 84 | | 40-140 | 2 | | 40 |
| Naphthalene | ND | 10 | 7.4 | 74 | | 7.6 | 76 | | 40-140 | 3 | | 40 |
| Benzo(a)anthracene | ND | 10 | 8.2 | 82 | | 8.3 | 83 | | 40-140 | 1 | | 40 |
| Benzo(a)pyrene | ND | 10 | 7.7 | 77 | | 7.8 | 78 | | 40-140 | 1 | | 40 |
| Benzo(b)fluoranthene | ND | 10 | 7.8 | 78 | | 8.8 | 88 | | 40-140 | 12 | | 40 |
| Benzo(k)fluoranthene | ND | 10 | 8.5 | 85 | | 7.9 | 79 | | 40-140 | 7 | | 40 |
| Chrysene | ND | 10 | 8.1 | 81 | | 8.3 | 83 | | 40-140 | 2 | | 40 |
| Acenaphthylene | ND | 10 | 8.5 | 85 | | 8.6 | 86 | | 40-140 | 1 | | 40 |
| Anthracene | ND | 10 | 8.6 | 86 | | 8.7 | 87 | | 40-140 | 1 | | 40 |
| Benzo(ghi)perylene | ND | 10 | 7.8 | 78 | | 8.2 | 82 | | 40-140 | 5 | | 40 |
| Fluorene | ND | 10 | 7.7 | 77 | | 8.1 | 81 | | 40-140 | 5 | | 40 |
| Phenanthrene | ND | 10 | 8.0 | 80 | | 8.1 | 81 | | 40-140 | 1 | | 40 |
| Dibenzo(a,h)anthracene | ND | 10 | 8.2 | 82 | | 8.5 | 85 | | 40-140 | 4 | | 40 |
| Indeno(1,2,3-cd)pyrene | ND | 10 | 8.8 | 88 | | 8.5 | 85 | | 40-140 | 3 | | 40 |
| Pyrene | ND | 10 | 8.2 | 82 | | 8.3 | 83 | | 40-140 | 1 | | 40 |
| 2-Methylnaphthalene | ND | 10 | 7.5 | 75 | | 7.6 | 76 | | 40-140 | 1 | | 40 |

| <i>Surrogate</i> | <i>MS</i> | | <i>MSD</i> | | <i>Acceptance Criteria</i> |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
| | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> | |
| 2,4,6-Tribromophenol | 67 | | 73 | | 10-120 |
| 2-Fluorobiphenyl | 71 | | 76 | | 15-120 |
| 2-Fluorophenol | 50 | | 51 | | 21-120 |

Matrix Spike Analysis

Batch Quality Control

Project Name: 280 WEST 155TH STREET

Project Number: 100765102

Lab Number: L2109792

Report Date: 03/02/21

| 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): 01-17 QC Batch ID: WG1468919-4 WG1468919-5 QC Sample: L2109792-09
Client ID: 118_LMW-3

| Surrogate | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|------------------|--------------------------|------------------|---------------------------|------------------|--------------------------------|
| 4-Terphenyl-d14 | 83 | | 85 | | 41-149 |
| Nitrobenzene-d5 | 95 | | 101 | | 23-120 |
| Phenol-d6 | 38 | | 39 | | 10-120 |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2109792**Project Number:** 100765102**Report Date:** 03/02/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|---------------|---------------------|
| A | Absent |
| B | Absent |
| C | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2109792-01A | Amber 1000ml unpreserved | C | 7 | 7 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-01B | Amber 1000ml unpreserved | C | 7 | 7 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-02A | Amber 1000ml unpreserved | C | 7 | 7 | 2.3 | Y | Absent | | FILTER-EXT(1) |
| L2109792-02B | Amber 1000ml unpreserved | C | 7 | 7 | 2.3 | Y | Absent | | FILTER-EXT(1) |
| L2109792-02X | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-02Y | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-03A | Amber 1000ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-03B | Amber 1000ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-04A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-04B | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | FILTER-EXT(1) |
| L2109792-04X | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-04Y | Amber 1000ml unpreserved Filtrates | A | NA | | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-05A | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-05B | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-06A | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | FILTER-EXT(1) |
| L2109792-06B | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | FILTER-EXT(1) |
| L2109792-06X | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-06Y | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-07A | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-07B | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-08A | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | FILTER-EXT(1) |

Project Name: 280 WEST 155TH STREET**Lab Number:** L2109792**Project Number:** 100765102**Report Date:** 03/02/21**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2109792-08B | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | FILTER-EXT(1) |
| L2109792-08X | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-08Y | Amber 1000ml unpreserved Filtrates | C | NA | | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09A | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09A1 | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09A2 | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09B | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09B1 | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-09B2 | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-10A | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | FILTER-EXT(1) |
| L2109792-10B | Amber 1000ml unpreserved | A | 6 | 6 | 3.4 | Y | Absent | | FILTER-EXT(1) |
| L2109792-10X | Amber 1000ml unpreserved Filtrates | A | NA | | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-10Y | Amber 1000ml unpreserved Filtrates | A | NA | | 3.4 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-11A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-11B | Amber 1000ml unpreserved | C | 6 | 6 | 2.3 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-12A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-12B | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-12X | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-12Y | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-13A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-13B | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-14A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-14B | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-14X | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-14Y | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-15A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-15B | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-16A | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |

Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Serial_No:03022115:24
Lab Number: L2109792
Report Date: 03/02/21

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L2109792-16B | Amber 1000ml unpreserved | B | 6 | 6 | 2.8 | Y | Absent | | FILTER-EXT(1) |
| L2109792-16X | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-16Y | Amber 1000ml unpreserved Filtrates | B | NA | | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-17A | Amber 1000ml unpreserved | B | 7 | 7 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |
| L2109792-17B | Amber 1000ml unpreserved | B | 7 | 7 | 2.8 | Y | Absent | | NYTCL-8270-SIM(7) |



Project Name: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

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: 280 WEST 155TH STREET
Project Number: 100765102

Lab Number: L2109792
Report Date: 03/02/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 | 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 2/27 | ALPHA Job # L2109792 | | | | | |
| | 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 | Project Information Project Name: 240 West 155th Street Project Location: NY, NY Project # 100765102 (Use Project name as Project #) <input type="checkbox"/> | | Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> Other | Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # | | | |
| Client Information Client: Langan Address: 300 Kimball Dr. Parsippany, NJ Phone: 973-560-4900 Fax: 973-560-4901 Email: | Project Manager: Ben Rao ALPHAQuote #: | Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge | | Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input checked="" type="checkbox"/> NY <input type="checkbox"/> Other: | | | | | |
| Turn-Around Time Standard <input type="checkbox"/> Due Date: Rush (only if pre approved) <input checked="" type="checkbox"/> # of Days: 3 DAY TAT | | ANALYSIS | | | | | | | |
| These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: *Extra volume for MS/MSD 3 DAY TAT Please specify Metals or TAL. | | Total PAHs Dissolved PAHs | | Sample Filtration <input type="checkbox"/> Done <input checked="" type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | | | | |
| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | Total PAHs | Dissolved PAHs | Sample Specific Comments | Total Bottles |
| | | Date | Time | | | | | | |
| 09792-01 | 106-Lmw-4 | 2-26-21 | 0905 | GW | mg | X | | Zamber | 2 |
| -02 | 107-Lmw-4 (Dissolved) | 2-26-21 | 0910 | GW | mb | X | | | 2 |
| -03 | 109-Lmw-8 | 2-26-21 | 0930 | GW | SH | X | | | 2 |
| -04 | 110-Lmw-8 (Dissolved) | 2-26-21 | 0940 | GW | SH | X | | | 2 |
| -05 | 112-Lmw-9 | 2-26-21 | 1110 | GW | mg | X | | | 2 |
| -06 | 113-Lmw-9 (Dissolved) | 2-26-21 | 1115 | GW | mb | X | | | 2 |
| -07 | 115-DUP-2 | 2-26-21 | 1125 | GW | mb | X | | | 2 |
| -08 | 116-DUP-2 (Dissolved) | 2-26-21 | 1130 | GW | mb | X | | | 2 |
| -09 | 118-Lmw-3* | 2-26-21 | 1130 | GW | SH | X | | *MS/MSD Gamba | 6 |
| -10 | 119-Lmw-3 (Dissolved) | 2-26-21 | 1140 | GW | SH | X | | Zamber | 2 |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type Preservative | | 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.) | |
| | | Relinquished By: | | Date/Time | | Received By: | | Date/Time | |
| | | M. Rao / Langan | | 2-26-21 1550 | | Zamber / AAL | | 2/26/21 1550 | |
| | | Zamber / AAL | | 2/26/21 1755 | | Zamber / AAL | | 2/26/21 20:30 | |
| | | Zamber / AAL | | 2/27/21 00:20 | | Zamber / AAL | | 2/27/21 00:20 | |

APPENDIX F

Data Usability Summary Reports

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Allyson Kritzer, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: September 29, 2020

Re: Data Usability Summary Report
For 280 West 155th Street Development
August and September Groundwater Samples
Langan Project No.: 100765102

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of groundwater samples collected in September 2020 by Langan Engineering and Environmental Services ("Langan") at the 280 West 155th Street Development site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Total and Dissolved Metals by SW-846 Method 6020B
- Mercury by SW-846 Method 7470A
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

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Data Usability Summary Report
 For 280 West 155th Street Development
 August and September Groundwater Samples
 Langan Project No.: 100765102
 September 29, 2020 Page 2 of 24

TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|--|
| L2037563 | L2037563-01 | 073_LMW-1 | 9/10/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-02 | 075_LMW-6 | 9/10/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-03 | 076_LMW-7 | 9/10/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-04 | 074_DUP-1 | 9/10/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-05 | 078_FB-1 | 9/10/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-06 | 079_TB-1 | 9/10/2020 | VOCs |
| L2037563 | L2037563-07 | 080_LMW-9 | 9/11/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-08 | 081_LMW-4 | 9/11/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-09 | 082_LMW-8 | 9/11/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-10 | 083_LMW-3 | 9/11/2020 | VOCs, SVOCs, SVOC SIM, PFAS, Herbicides, PCBs, Pesticides, Total and Dissolved Metals, Hg, CN, CrVI, CrIII |
| L2037563 | L2037563-11 | 084_TB-2 | 9/11/2020 | VOCs |

Validation Overview

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Data Usability Summary Report
For 280 West 155th Street Development
August and September Groundwater Samples
Langan Project No.: 100765102
September 29, 2020 Page 3 of 24

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, trip blank sample results, and field blank sample results.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

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- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|--|----------------------------|
| 073_LMW-1 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 073_LMW-1 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 073_LMW-1 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 073_LMW-1 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 073_LMW-1 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 073_LMW-1 | E537(M) | 27619-97-2 | 1H,1H,2H,2H-PERFLUOROOCETANESULFONIC ACID (6:2FTS) | J |
| 073_LMW-1 | SW8151A | 93-76-5 | 2,4,5-T | UJ |
| 073_LMW-1 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 073_LMW-1 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 073_LMW-1 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |

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Data Usability Summary Report
 For 280 West 155th Street Development
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 Langan Project No.: 100765102
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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-------------------------------------|----------------------------|
| 073_LMW-1 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 073_LMW-1 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 073_LMW-1 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 073_LMW-1 | SW8260C | 67-64-1 | ACETONE | UJ |
| 073_LMW-1 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 073_LMW-1 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 073_LMW-1 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 073_LMW-1 | SW6020B | 7440-36-0 | ANTIMONY, DISSOLVED | U (0.004) |
| 073_LMW-1 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 073_LMW-1 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 073_LMW-1 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 073_LMW-1 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 073_LMW-1 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 073_LMW-1 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 073_LMW-1 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 073_LMW-1 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 073_LMW-1 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 073_LMW-1 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 073_LMW-1 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 073_LMW-1 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 073_LMW-1 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 073_LMW-1 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 073_LMW-1 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 073_LMW-1 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 073_LMW-1 | SW8270DSIM | 193-39-5 | INDENO(1,2,3-CD)PYRENE | J |
| 073_LMW-1 | SW8081B | 58-89-9 | LINDANE | UJ |
| 073_LMW-1 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 073_LMW-1 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 073_LMW-1 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 073_LMW-1 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 073_LMW-1 | E537(M) | 375-73-5 | PERFLUOROBUTANESULFONIC ACID (PFBS) | J |

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|-------------------------|-----------------|--------------|-----------------------------|----------------------------|
| 073_LMW-1 | SW6020B | 7440-28-0 | THALLIUM, DISSOLVED | U (0.0005) |
| 073_LMW-1 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 073_LMW-1 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 073_LMW-1 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 073_LMW-1 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 075_LMW-6 | SW6020B | 7440-36-0 | ANTIMONY, DISSOLVED | U (0.004) |
| 075_LMW-6 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 075_LMW-6 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 075_LMW-6 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 075_LMW-6 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 075_LMW-6 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 075_LMW-6 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 075_LMW-6 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 075_LMW-6 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 075_LMW-6 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 075_LMW-6 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 075_LMW-6 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 075_LMW-6 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 075_LMW-6 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 075_LMW-6 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 075_LMW-6 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 075_LMW-6 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 075_LMW-6 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 075_LMW-6 | SW8081B | 58-89-9 | LINDANE | UJ |
| 075_LMW-6 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 075_LMW-6 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 075_LMW-6 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 075_LMW-6 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 075_LMW-6 | SW8151A | 93-76-5 | 2,4,5-T | UJ |
| 075_LMW-6 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 075_LMW-6 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |

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|-------------------------|-----------------|--------------|--|----------------------------|
| 075_LMW-6 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 075_LMW-6 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 075_LMW-6 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 075_LMW-6 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 075_LMW-6 | SW8260C | 67-64-1 | ACETONE | UJ |
| 075_LMW-6 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 075_LMW-6 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 075_LMW-6 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 075_LMW-6 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 075_LMW-6 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 075_LMW-6 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 075_LMW-6 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 075_LMW-6 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 075_LMW-6 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 075_LMW-6 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 075_LMW-6 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 075_LMW-6 | E537(M) | 27619-97-2 | 1H,1H,2H,2H-PERFLUOROOCETANESULFONIC ACID (6:2FTS) | J |
| 076_LMW-7 | SW6020B | 7440-36-0 | ANTIMONY, DISSOLVED | U (0.004) |
| 076_LMW-7 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 076_LMW-7 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 076_LMW-7 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 076_LMW-7 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 076_LMW-7 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 076_LMW-7 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 076_LMW-7 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 076_LMW-7 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 076_LMW-7 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 076_LMW-7 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |

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|-------------------------|-----------------|--------------|---------------------------------|----------------------------|
| 076_LMW-7 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 076_LMW-7 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 076_LMW-7 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 076_LMW-7 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 076_LMW-7 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 076_LMW-7 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 076_LMW-7 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 076_LMW-7 | SW8081B | 58-89-9 | LINDANE | UJ |
| 076_LMW-7 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 076_LMW-7 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 076_LMW-7 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 076_LMW-7 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 076_LMW-7 | SW8151A | 93-76-5 | 2,4,5-T | UJ |
| 076_LMW-7 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 076_LMW-7 | SW8260C | 96-12-8 | 1,2-DIBROMO-3- CHLOROPROPANE | UJ |
| 076_LMW-7 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 076_LMW-7 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 076_LMW-7 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 076_LMW-7 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 076_LMW-7 | SW8260C | 67-64-1 | ACETONE | UJ |
| 076_LMW-7 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 076_LMW-7 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 076_LMW-7 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 076_LMW-7 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 076_LMW-7 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 076_LMW-7 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 076_LMW-7 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2- BUTENE | UJ |
| 076_LMW-7 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 076_LMW-7 | SW8270D | 108-60-1 | BIS(2- CHLOROISOPROPYL)ETHER | UJ |
| 076_LMW-7 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |

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|-------------------------|-----------------|--------------|---|----------------------------|
| 076_LMW-7 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 076_LMW-7 | E537(M) | 27619-97-2 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | J |
| 076_LMW-7 | E537(M) | 307-24-4 | PERFLUOROHEXANOIC ACID (PFHXA) | U (3.48) |
| 074_DUP-1 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 074_DUP-1 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 074_DUP-1 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 074_DUP-1 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 074_DUP-1 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 074_DUP-1 | E537(M) | 27619-97-2 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | J |
| 074_DUP-1 | SW8151A | 93-76-5 | 2,4,5-T | UJ |
| 074_DUP-1 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 074_DUP-1 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 074_DUP-1 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 074_DUP-1 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 074_DUP-1 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 074_DUP-1 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 074_DUP-1 | SW8260C | 67-64-1 | ACETONE | UJ |
| 074_DUP-1 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 074_DUP-1 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 074_DUP-1 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 074_DUP-1 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 074_DUP-1 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 074_DUP-1 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 074_DUP-1 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 074_DUP-1 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |

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|-------------------------|-----------------|--------------|-------------------------------------|----------------------------|
| 074_DUP-1 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 074_DUP-1 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 074_DUP-1 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 074_DUP-1 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 074_DUP-1 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 074_DUP-1 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 074_DUP-1 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 074_DUP-1 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 074_DUP-1 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 074_DUP-1 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 074_DUP-1 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 074_DUP-1 | SW8081B | 58-89-9 | LINDANE | UJ |
| 074_DUP-1 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 074_DUP-1 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 074_DUP-1 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 074_DUP-1 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 074_DUP-1 | E537(M) | 375-73-5 | PERFLUOROBUTANESULFONIC ACID (PFBS) | J |
| 074_DUP-1 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 074_DUP-1 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 074_DUP-1 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 074_DUP-1 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 080_LMW-9 | SW6020B | 7440-70-2 | CALCIUM, TOTAL | J |
| 080_LMW-9 | SW6020B | 7440-23-5 | SODIUM, TOTAL | J |
| 080_LMW-9 | SW6020B | 7440-28-0 | THALLIUM, DISSOLVED | U (0.0005) |
| 080_LMW-9 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 080_LMW-9 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 080_LMW-9 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 080_LMW-9 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 080_LMW-9 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 080_LMW-9 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 080_LMW-9 | SW8081B | 57-74-9 | CHLORDANE | UJ |

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|-------------------------|-----------------|--------------|-----------------------------|----------------------------|
| 080_LMW-9 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 080_LMW-9 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 080_LMW-9 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 080_LMW-9 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 080_LMW-9 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 080_LMW-9 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 080_LMW-9 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 080_LMW-9 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 080_LMW-9 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 080_LMW-9 | SW8081B | 58-89-9 | LINDANE | UJ |
| 080_LMW-9 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 080_LMW-9 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 080_LMW-9 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 080_LMW-9 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 080_LMW-9 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 080_LMW-9 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 080_LMW-9 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 080_LMW-9 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 080_LMW-9 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 080_LMW-9 | SW8260C | 67-64-1 | ACETONE | UJ |
| 080_LMW-9 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 080_LMW-9 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 080_LMW-9 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 080_LMW-9 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 080_LMW-9 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | J |
| 080_LMW-9 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 080_LMW-9 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 080_LMW-9 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 080_LMW-9 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 080_LMW-9 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |
| 080_LMW-9 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | UJ |

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|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 080_LMW-9 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 080_LMW-9 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 080_LMW-9 | SW8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 080_LMW-9 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 080_LMW-9 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 080_LMW-9 | SW8270D | 65-85-0 | BENZOIC ACID | UJ |
| 080_LMW-9 | SW8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 080_LMW-9 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 080_LMW-9 | SW8270DSIM | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 080_LMW-9 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 081_LMW-4 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 081_LMW-4 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 081_LMW-4 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 081_LMW-4 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 081_LMW-4 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 081_LMW-4 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 081_LMW-4 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 081_LMW-4 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 081_LMW-4 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 081_LMW-4 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 081_LMW-4 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 081_LMW-4 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 081_LMW-4 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 081_LMW-4 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 081_LMW-4 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 081_LMW-4 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 081_LMW-4 | SW8081B | 58-89-9 | LINDANE | UJ |
| 081_LMW-4 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 081_LMW-4 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 081_LMW-4 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-----------------------------|----------------------------|
| 081_LMW-4 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 081_LMW-4 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 081_LMW-4 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 081_LMW-4 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 081_LMW-4 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 081_LMW-4 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 081_LMW-4 | SW8260C | 67-64-1 | ACETONE | UJ |
| 081_LMW-4 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 081_LMW-4 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 081_LMW-4 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 081_LMW-4 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 081_LMW-4 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | J |
| 081_LMW-4 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 081_LMW-4 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 081_LMW-4 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 081_LMW-4 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 081_LMW-4 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |
| 081_LMW-4 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | UJ |
| 081_LMW-4 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 081_LMW-4 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 081_LMW-4 | SW8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 081_LMW-4 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 081_LMW-4 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 081_LMW-4 | SW8270D | 65-85-0 | BENZOIC ACID | UJ |
| 081_LMW-4 | SW8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 081_LMW-4 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 081_LMW-4 | SW8270DSIM | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 081_LMW-4 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---|----------------------------|
| 081_LMW-4 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 081_LMW-4 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 082_LMW-8 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 082_LMW-8 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 082_LMW-8 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 082_LMW-8 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 082_LMW-8 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 082_LMW-8 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 082_LMW-8 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 082_LMW-8 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 082_LMW-8 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 082_LMW-8 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 082_LMW-8 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 082_LMW-8 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 082_LMW-8 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 082_LMW-8 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 082_LMW-8 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 082_LMW-8 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 082_LMW-8 | SW8081B | 58-89-9 | LINDANE | UJ |
| 082_LMW-8 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 082_LMW-8 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 082_LMW-8 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 082_LMW-8 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 082_LMW-8 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 082_LMW-8 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 082_LMW-8 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 082_LMW-8 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 082_LMW-8 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 082_LMW-8 | SW8260C | 67-64-1 | ACETONE | J |
| 082_LMW-8 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---|----------------------------|
| 082_LMW-8 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 082_LMW-8 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 082_LMW-8 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 082_LMW-8 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | J |
| 082_LMW-8 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 082_LMW-8 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 082_LMW-8 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 082_LMW-8 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 082_LMW-8 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |
| 082_LMW-8 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | UJ |
| 082_LMW-8 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 082_LMW-8 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 082_LMW-8 | SW8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 082_LMW-8 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 082_LMW-8 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 082_LMW-8 | SW8270D | 65-85-0 | BENZOIC ACID | UJ |
| 082_LMW-8 | SW8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 082_LMW-8 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 082_LMW-8 | SW8270DSIM | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 082_LMW-8 | SW8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 082_LMW-8 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 082_LMW-8 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 083_LMW-3 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 083_LMW-3 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 083_LMW-3 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 083_LMW-3 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 083_LMW-3 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 083_LMW-3 | SW8081B | 319-85-7 | BETA-BHC | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---------------------------------|----------------------------|
| 083_LMW-3 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 083_LMW-3 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 083_LMW-3 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 083_LMW-3 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 083_LMW-3 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 083_LMW-3 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 083_LMW-3 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 083_LMW-3 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 083_LMW-3 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 083_LMW-3 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 083_LMW-3 | SW8081B | 58-89-9 | LINDANE | UJ |
| 083_LMW-3 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 083_LMW-3 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 083_LMW-3 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 083_LMW-3 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 083_LMW-3 | SW8260C | 96-12-8 | 1,2-DIBROMO-3- CHLOROPROPANE | UJ |
| 083_LMW-3 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 083_LMW-3 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 083_LMW-3 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 083_LMW-3 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 083_LMW-3 | SW8260C | 67-64-1 | ACETONE | UJ |
| 083_LMW-3 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 083_LMW-3 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 083_LMW-3 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 083_LMW-3 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHAN E | UJ |
| 083_LMW-3 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | J |
| 083_LMW-3 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 083_LMW-3 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 083_LMW-3 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 083_LMW-3 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 083_LMW-3 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---|----------------------------|
| 083_LMW-3 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | UJ |
| 083_LMW-3 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 083_LMW-3 | SW8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 083_LMW-3 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 083_LMW-3 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 083_LMW-3 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 073_LMW-1 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | J |
| 073_LMW-1 | E537(M) | 375-73-5 | PERFLUOROBUTANESULFONIC ACID (PFBS) | J |
| 073_LMW-1 | E537(M) | 1763-23-1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | J |
| 075_LMW-6 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | J |
| 075_LMW-6 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | J |
| 075_LMW-6 | E537(M) | 1763-23-1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | J |
| 076_LMW-7 | E537(M) | 27619-97-2 | 1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS) | J |
| 076_LMW-7 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | J |
| 076_LMW-7 | E537(M) | 1763-23-1 | PERFLUOROOCTANESULFONIC ACID (PFOS) | J |

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|-------------------------|-----------------|--------------|--|----------------------------|
| 074_DUP-1 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONIC ACID (NETFOSAA) | J |
| 074_DUP-1 | E537(M) | 355-46-4 | PERFLUOROHXANESULFONIC ACID (PFHXS) | J |
| 074_DUP-1 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONIC ACID (PFOS) | J |
| 080_LMW-9 | E537(M) | 335-76-2 | PERFLUORODECANOIC ACID (PFDA) | J |
| 080_LMW-9 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONIC ACID (PFOS) | J |
| 081_LMW-4 | E537(M) | 335-76-2 | PERFLUORODECANOIC ACID (PFDA) | J |
| 081_LMW-4 | E537(M) | 376-06-7 | PERFLUOROTETRADECANOIC ACID (PFTA) | J |
| 082_LMW-8 | E537(M) | 335-76-2 | PERFLUORODECANOIC ACID (PFDA) | J |
| 082_LMW-8 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONIC ACID (PFOS) | J |
| 083_LMW-3 | E537(M) | 355-46-4 | PERFLUOROHXANESULFONIC ACID (PFHXS) | J |

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

L2037563

VOCs by SW-846 Method 8260C

The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch WG1410014 exhibited a percent recovery below the lower control limit (LCL) for vinyl acetate (63%, 68%). The associated results in sample 073_LMW-1, 074_DUP-1, 075_LMW-6, and 076_LMW-7 are qualified as "UJ" based on potential low bias.

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The LCS for batch WG1410014 exhibited a percent recovery below the LCL for trans-1,4-dichloro-2-butene (69%). The associated results in sample 073_LMW-1, 074_DUP-1, 075_LMW-6, and 076_LMW-7 are qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch WG1411227 exhibited relative percent differences (RPDs) above the control limit for sec-butylbenzene (22%), tert-butylbenzene (23%), n-propylbenzene (24%), 1,3,5-trimethylbenzene (22%), and p-ethyltoluene (23%). The associated results in sample 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

The initial calibration (ICAL) for instrument VOA108 exhibited a response factor (RF) below the control limit for 1,4-dioxane (0.002). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, 074_DUP-1, 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 9/15/2020 at 08:10 exhibited %Ds above the control limit for bromomethane (-34.8%), chloroethane (-27.9%), acetone (29.8%), methyl tert-butyl ether (23.7%), acrylonitrile (25.8%), vinyl acetate (36.5%), 4-methyl-2-pentanone (29.3%), 1,2-dibromoethane (20.2%), 2-hexanone (38.9%), 1,2,3-trichloropropane (23.4%), trans-1,4-dichloro-2-butene (31.1%), 1,2-dibromo-3-chloropropane (26%), and naphthalene (28.1%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/16/2020 at 17:18 exhibited %Ds above the control limit for 1,2-dibromo-3-chloropropane (27.8%), 1,4-dioxane (32%), 2-hexanone (36%), 4-methyl-2-pentanone (28.2%), acetone (27.7%), acrylonitrile (28.2%), bromoform (20.9%), chloroethane (-35.8%), dichlorodifluoromethane (-36.5%), methyl tert-butyl ether (29.2%), naphthalene (30%), trans-1,3-dichloropropene (20.2%), and vinyl acetate (30.3%). The associated results in sample 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "J" or "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

The CCV analyzed on 9/14/2020 at 21:08 exhibited %Ds above the control limit for bis(2-chloroisopropyl)ether (21.9%), 2-nitrophenol (-26.9%), and azobenzene (20.1%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "UJ" based on potential indeterminate bias.

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The CCV analyzed on 9/17/2020 at 09:27 exhibited %Ds above the control limit for benzoic acid (-24.5%), hexachlorobutadiene (-24.3%), hexachlorocyclopentadiene (-33.3%), 2,4-dinitrophenol (-28%), 4,6-dinitro-o-cresol (-26.7%), pentachlorophenol (-23.1%), di-n-octylphthalate (21.6%), and 1,2,4,5-tetrachlorobenzene (-21.2%). The associated results in sample 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/16/2020 at 20:15 exhibited a %D above the control limit for pentachlorophenol (-28.3%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "UJ" based on potential indeterminate bias.

The LCSD for batch WG1409590 exhibited percent recoveries above the upper control limit (UCL) for indeno(1,2,3-cd)pyrene (142%) and pentachlorophenol (142%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "J" based on potential high bias.

The LCS for batch WG1410449 exhibited a percent recovery below the LCL for 2,4-dimethylphenol (16%). The associated results in sample 080_LMW-9, 081_LMW-4, and 082_LMW-8 are qualified as "UJ" based on potential low bias.

The LCSD for batch WG1410449 exhibited a percent recovery below the LCL for benzoic acid (0%). The associated results in sample 080_LMW-9, 081_LMW-4, and 082_LMW-8 are qualified as "UJ" based on potential low bias.

The LCS for batch WG1410776 exhibited a percent recovery below the LCL for 4-chloroaniline (33%). The associated results in sample 083_LMW-3 are qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch WG1410776 exhibited RPDs above the control limit for 4-chloroaniline (48%) and 2,4-dimethylphenol (54%). The associated results in sample 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

PFAS by USEPA Method 537M

The CCV analyzed on 9/18/2020 at 09:53 exhibited %Ds above the control limit for perfluorodecanesulfonic acid (64.1%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (38.6%). The associated results in sample 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

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The CCV analyzed on 9/20/2020 at 16:45 exhibited %Ds above the control limit for 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (43.8%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (41.6%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "J" or "UJ" based on potential indeterminate bias.

The method blank (MB) for batch WG1410994 exhibited a detection of perfluorohexanoic acid (0.348 ng/l). The associated results in sample 076_LMW-7 are qualified as "U" at the sample concentration based on potential blank contamination.

The laboratory noted the ratio of quantifier ion response to qualifier ion response recovered outside of laboratory criteria for samples 073_LMW-1, 075_LMW-6, 076_LMW-7, 074_DUP-1, 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3. The associated results in samples 073_LMW-1, 075_LMW-6, 076_LMW-7, 074_DUP-1, 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "J" based on indeterminate bias.

Herbicides by SW-846 Method 8151A

The CCV analyzed on 9/16/2020 at 09:37 exhibited a %D above the control limit for 2,4,5-t (-19.5%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "UJ" based on potential indeterminate bias.

Pesticides by SW-846 Method 8081B

The LCS/LCSD for batch WG1410060 exhibited RPDs above the control limit for 4,4'-DDD (46%), 4,4'-DDE (46%), 4,4'-DDT (46%), aldrin (46%), alpha-BHC (38%), beta-BHC (33%), delta-BHC (40%), dieldrin (45%), endosulfan I (44%), endosulfan II (40%), endosulfan sulfate (43%), endrin (46%), endrin aldehyde (39%), endrin ketone (45%), heptachlor (43%), heptachlor epoxide (43%), lindane (40%), methoxychlor (43%), cis-chlordane (44%), and trans-chlordane (44%). The associated results in sample 073_LMW-1, 075_LMW-6, 076_LMW-7, and 074_DUP-1 are qualified as "UJ" based on potential indeterminate bias.

The LCS/LCSD for batch WG1410365 exhibited RPDs above the control limit for 4,4'-DDD (40%), 4,4'-DDE (40%), 4,4'-DDT (35%), aldrin (37%), alpha-BHC (29%), beta-BHC (31%), delta-BHC (33%), dieldrin (37%), endosulfan I (39%), endosulfan II (27%), endrin (37%), endrin aldehyde (42%), endrin ketone (35%), heptachlor (35%), heptachlor epoxide (39%), lindane (31%), methoxychlor (32%), cis-chlordane (33%), and trans-chlordane (29%). The associated results in sample 080_LMW-9, 081_LMW-4, 082_LMW-8, and 083_LMW-3 are qualified as "UJ" based on potential indeterminate bias.

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Total and Dissolved Metals by SW-846 Method 6020B

The field blank (FB) (078_FB-1) exhibited a detection of dissolved antimony (0.00051 mg/L). The associated results in sample 073_LMW-1, 075_LMW-6, and 076_LMW-7 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1410068 exhibited a detection of dissolved thallium (0.00016 mg/L). The associated results in sample 073_LMW-1 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1410661 exhibited a detection of dissolved thallium (0.00014 mg/L). The associated results in sample 080_LMW-9 are qualified as "U" at the reporting limit based on potential blank contamination.

The matrix spike (MS) performed on sample 080_LMW-9 exhibited percent recoveries below the LCL for total calcium (60%) and total sodium (69%). The associated results in sample 080_LMW-9 are qualified as "J" based on potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

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VOCs by SW-846 Method 8260C

The MB for batch WG1411227 exhibited a detection of trichloroethene (0.19 ug/L). The associated results are non-detections. No qualification is necessary.

The LCS for batch WG1411227 exhibited a percent recovery above the UCL for chloroethane (140%). The associated results are non-detections. No qualification is necessary.

The MS/matrix spike duplicate (MSD) for batch 080_LMW-9 exhibited RPDs above the control limit for 1,1,2,2-tetrachloroethane (28%), 1,1-dichloroethane (29%), 1,1-dichloroethene (22%), 1,1-dichloropropene (30%), 1,2,3-trichloropropane (23%), 1,2,4,5-tetramethylbenzene (21%), 1,2,4-trimethylbenzene (21%), 1,2-dichloropropane (22%), 1,3,5-trimethylbenzene (21%), 1,4-dichlorobenzene (24%), bromobenzene (23%), carbon tetrachloride (26%), chloroform (22%), isopropylbenzene (29%), tetrachloroethene (21%), toluene (23%), cis-1,3-dichloropropene (27%), n-butylbenzene (23%), n-propylbenzene (25%), o-chlorotoluene (25%), p-chlorotoluene (25%), 1,4-diethylbenzene (23%), 4-ethyltoluene (34%), p-isopropyltoluene (23%), p/m-xylene

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(22%), sec-butylbenzene (21%), tert-butylbenzene (28%), and trans-1,2-dichloroethene (21%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

The MS for batch 080_LMW-9 exhibited percent recoveries below the LCL for tetrachloroethene (69%), vinyl acetate (68%), 1,2,4-trichlorobenzene (68%), and trans-1,4-dichloro-2-butene (61%). Organic results are not qualified on the basis of MSs alone. No qualification is necessary.

The MSD for batch 080_LMW-9 exhibited a percent recovery above the UCL for dichlorodifluoromethane (150%). Organic results are not qualified on the basis of MSs alone. No qualification is necessary.

The CCV analyzed on 9/15/2020 at 08:10 exhibited a RF below the control limit for 1,4-dioxane (0.00182). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/16/2020 at 17:18 exhibited a RF below the control limit for 1,4-dioxane (0.00149). The associated results were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

The MB for batch WG1409589 exhibited a detection of dimethyl phthalate (2.2 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1410144 exhibited detections of benzo(a)anthracene (0.09 ug/L), benzo(a)pyrene (0.07 ug/L), benzo(b)fluoranthene (0.09 ug/L), benzo(ghi)perylene (0.06 ug/L), benzo(k)fluoranthene (0.04 ug/L), chrysene (0.1 ug/L), fluoranthene (0.1 ug/L), indeno(1,2,3-cd)pyrene (0.05 ug/L), phenanthrene (0.03 ug/L), and pyrene (0.14 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1410779-1 exhibited detections of 2-methylnaphthalene (0.03 ug/L) and naphthalene (0.07 ug/L). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch WG1410449 exhibited a RPD above the control limit for 2,4-dimethylpheol (79%). The associated results were previously qualified. No further action is necessary.

The MS/MSD for batch 080_LMW-9 exhibited RPDs above the control limit for hexachlorocyclopentadiene (33%), 4-chloroaniline (46%), 2-nitroaniline (33%), 3-nitroaniline (38%), and benzoic acid (36%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

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The MS for batch 080_LMW-9 exhibited percent recoveries below the LCL for 4-chloroaniline (38%) and 4-nitroaniline (50%). Organic results are not qualified on the basis of MSs alone. No qualification is necessary.

Pesticides by SW-846 Method 8081B

The LCS for batch WG1410365 exhibited a percent recovery above the UCL for methoxychlor (154%). The associated results were previously qualified. No further action is necessary.

COMMENTS:

One field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 1X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 073_LMW-1 and 074_DUP-1

The field duplicate and parent sample (073_LMW-1 and 074_DUP-1) exhibited a RPD above the control limit for perfluorobutanesulfonic acid (34.2%). The associated results are qualified as "J" based on potential indeterminate bias.

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

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Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Allyson Kritzer, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: September 24, 2020

Re: Data Usability Summary Report
For 280 West 155th Street Development
August and September Soil Samples
Langan Project No.: 100765102

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of soil samples collected in August and September 2020 by Langan Engineering and Environmental Services ("Langan") at the 280 West 155th Street Development site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals including mercury (Hg), cyanide (CN), hexavalent chromium (CrVI), trivalent chromium (CrIII), and total solids (%S) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D
- Mercury by SW-846 Method 7471B
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)
- Total Solids by Standard Method 2540G

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

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TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|---|
| L2035280 | L2035280-01 | 030_LSB-44_3.0-5.0 | 8/27/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-02 | 031_LSB-44_12.0-14.0 | 8/27/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-03 | 032_DUP-1 | 8/27/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-04 | 033_LSB-49_9.5-11.5 | 8/27/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-05 | 034_FB_08272020 | 8/27/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, SVOC SIM, PFAS, CrVI, VOCs, CrIII |
| L2035280 | L2035280-06 | 035_LSB-52_9.5-11.5 | 8/27/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-08 | 037_LSB-43_2.5-4.5 | 8/28/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-09 | 038_LSB-43_12.0-14.0 | 8/28/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-10 | 039_LSB-48_8.0-10.0 | 8/28/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-11 | 040_LSB-42_1.5-3.5 | 8/28/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-12 | 041_LSB-42_12.0-14.0 | 8/28/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-13 | 042_LSB-50_9.5-11.5 | 8/28/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-14 | 043_LSB-53_9.5-11.5 | 8/28/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-15 | 044_LSB-42_7.5-9.5 | 8/28/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-16 | 045_LSB-54_9.5-11.5 | 8/28/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-17 | 046_TB_08282020 | 8/28/2020 | VOCs |

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| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|---|
| L2035280 | L2035280-18 | 047_LSB-41_4.0-6.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-19 | 048_LSB-41_12.0-14.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-20 | 049_LSB-47_8.5-10.5 | 8/31/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-21 | 050_LSB-37_1.0-3.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-22 | 051_LSB-37_12.0-14.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-23 | 052_FB_08312020 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, SVOC SIM, PFAS, CrVI, VOCs, CrIII |
| L2035280 | L2035280-24 | 053_LSB-40_1.0-3.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-25 | 054_LSB-40_12.0-14.0 | 8/31/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-26 | 055_LSB-46_6.0-8.0 | 8/31/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-27 | 056_LSB-45_7.5-9.5 | 8/31/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-28 | 057_LSB-41_7.5-9.5 | 8/31/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-29 | 058_LSB-40_6.0-8.0 | 8/31/2020 | PCBS, SVOCs, VOCs, %S |
| L2035280 | L2035280-30 | 059_TB_08312020 | 8/31/2020 | VOCs |
| L2035280 | L2035280-31 | 060_LSB-36_1.0-3.0 | 9/1/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-32 | 061_LSB-36_12.0-14.0 | 9/1/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-33 | 062_LSB-38_2.0-4.0 | 9/1/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-34 | 063_LSB-38_12.0-14.0 | 9/1/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |

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| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|---|
| L2035280 | L2035280-35 | 064_TB_09012020 | 9/1/2020 | VOCs |
| L2035280 | L2035280-36 | 065_LSB-39_1.0-3.0 | 9/2/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-37 | 066_LSB-39_12.0-14.0 | 9/2/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-38 | 067_DUP-2 | 9/2/2020 | Metals, Mercury, Pesticides, PCBs, Herbicides, SVOCs, PFAS, CrVI, VOCs, CrIII, %S |
| L2035280 | L2035280-39 | 068_TB_09022020 | 9/2/2020 | VOCs |

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-17, "Validating Chlorinated Herbicides" (December 2010, Revision 3.1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-36A, "Pesticide Data Validation" (October 2016, Revision 1), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

EPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes

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acceptable modifications. EPA recommends that modified methods be assessed relative to project goals and data quality objectives.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), system monitoring compounds, internal standard area counts, isotope dilution recoveries, matrix spike/spike duplicate (MS/MSD) recoveries, target compound identification and quantification, chromatograms, overall system performance, serial dilutions, dual column performance, field duplicate, method blank (MB) sample results, trip blank (TB) sample results, and field blank (FB) sample results.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

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TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---|----------------------------|
| 030_LSB-44_3.0-5.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 030_LSB-44_3.0-5.0 | E537(M) | 39108-34-4 | 1H,1H,2H,2H- PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 030_LSB-44_3.0-5.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 030_LSB-44_3.0-5.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |
| 030_LSB-44_3.0-5.0 | E537(M) | 307-24-4 | PERFLUOROHXANOIC ACID (PFHXA) | U (0.5) |
| 031_LSB-44_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 031_LSB-44_12.0-14.0 | E537(M) | 39108-34-4 | 1H,1H,2H,2H- PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 319-85-7 | BETA-BHC | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------|----------------------------|
| 031_LSB-44_12.0-14.0 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |
| 031_LSB-44_12.0-14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 031_LSB-44_12.0-14.0 | 6010D | 7440-70-2 | CALCIUM, TOTAL | J |
| 031_LSB-44_12.0-14.0 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 031_LSB-44_12.0-14.0 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 031_LSB-44_12.0-14.0 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 031_LSB-44_12.0-14.0 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 031_LSB-44_12.0-14.0 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 031_LSB-44_12.0-14.0 | SW8270D | 206-44-0 | FLUORANTHENE | J |
| 031_LSB-44_12.0-14.0 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |

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| 031_LSB-44_12.0-14.0 | 6010D | 7439-92-1 | LEAD, TOTAL | J |
| 031_LSB-44_12.0-14.0 | SW8081B | 58-89-9 | LINDANE | UJ |
| 031_LSB-44_12.0-14.0 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 031_LSB-44_12.0-14.0 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 031_LSB-44_12.0-14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 031_LSB-44_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 031_LSB-44_12.0-14.0 | SW8270D | 85-01-8 | PHENANTHRENE | J |
| 031_LSB-44_12.0-14.0 | SW8270D | 129-00-0 | PYRENE | J |
| 031_LSB-44_12.0-14.0 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 031_LSB-44_12.0-14.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 031_LSB-44_12.0-14.0 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 031_LSB-44_12.0-14.0 | 6010D | 7440-66-6 | ZINC, TOTAL | J |
| 032_DUP-1 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 032_DUP-1 | E537(M) | 39108-34-4 | 1H,1H,2H,2H- PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 032_DUP-1 | SW8081B | 72-54-8 | 4,4'-DDD | UJ |
| 032_DUP-1 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 032_DUP-1 | SW8081B | 50-29-3 | 4,4'-DDT | UJ |
| 032_DUP-1 | SW8081B | 309-00-2 | ALDRIN | UJ |
| 032_DUP-1 | SW8081B | 319-84-6 | ALPHA-BHC | UJ |
| 032_DUP-1 | SW8081B | 319-85-7 | BETA-BHC | UJ |
| 032_DUP-1 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |

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| 032_DUP-1 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 032_DUP-1 | 6010D | 7440-70-2 | CALCIUM, TOTAL | J |
| 032_DUP-1 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 032_DUP-1 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 032_DUP-1 | SW8081B | 57-74-9 | CHLORDANE | UJ |
| 032_DUP-1 | SW8081B | 5103-71-9 | CIS-CHLORDANE | UJ |
| 032_DUP-1 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 032_DUP-1 | SW8081B | 319-86-8 | DELTA-BHC | UJ |
| 032_DUP-1 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 032_DUP-1 | SW8081B | 60-57-1 | DIELDRIN | UJ |
| 032_DUP-1 | SW8081B | 959-98-8 | ENDOSULFAN I | UJ |
| 032_DUP-1 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 032_DUP-1 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 032_DUP-1 | SW8081B | 72-20-8 | ENDRIN | UJ |
| 032_DUP-1 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 032_DUP-1 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 032_DUP-1 | SW8270D | 206-44-0 | FLUORANTHENE | J |
| 032_DUP-1 | SW8081B | 76-44-8 | HEPTACHLOR | UJ |
| 032_DUP-1 | SW8081B | 1024-57-3 | HEPTACHLOR EPOXIDE | UJ |
| 032_DUP-1 | 6010D | 7439-92-1 | LEAD, TOTAL | J |
| 032_DUP-1 | SW8081B | 58-89-9 | LINDANE | UJ |
| 032_DUP-1 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 032_DUP-1 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 032_DUP-1 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 032_DUP-1 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 032_DUP-1 | SW8270D | 85-01-8 | PHENANTHRENE | J |
| 032_DUP-1 | SW8270D | 129-00-0 | PYRENE | J |
| 032_DUP-1 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (211) |

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| 032_DUP-1 | SW8081B | 8001-35-2 | TOXAPHENE | UJ |
| 032_DUP-1 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | UJ |
| 032_DUP-1 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 032_DUP-1 | 6010D | 7440-66-6 | ZINC, TOTAL | J |
| 033_LSB-49_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 035_LSB-52_9.5-11.5 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 037_LSB-43_2.5-4.5 | SW8081B | 50-29-3 | 4,4'-DDT | J |
| 037_LSB-43_2.5-4.5 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 037_LSB-43_2.5-4.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 037_LSB-43_2.5-4.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 037_LSB-43_2.5-4.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 037_LSB-43_2.5-4.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 037_LSB-43_2.5-4.5 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 037_LSB-43_2.5-4.5 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 037_LSB-43_2.5-4.5 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 037_LSB-43_2.5-4.5 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 037_LSB-43_2.5-4.5 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 037_LSB-43_2.5-4.5 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCCTANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 037_LSB-43_2.5-4.5 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |

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| 038_LSB-43_12.0-14.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (211) |
| 038_LSB-43_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 039_LSB-48_8.0-10.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 039_LSB-48_8.0-10.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 039_LSB-48_8.0-10.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 039_LSB-48_8.0-10.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 039_LSB-48_8.0-10.0 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 040_LSB-42_1.5-3.5 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 040_LSB-42_1.5-3.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 040_LSB-42_1.5-3.5 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS) | UJ |
| 040_LSB-42_1.5-3.5 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 040_LSB-42_1.5-3.5 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |
| 041_LSB-42_12.0-14.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (180) |
| 041_LSB-42_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 041_LSB-42_12.0-14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |

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| 041_LSB-42_12.0-14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 041_LSB-42_12.0-14.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 041_LSB-42_12.0-14.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 041_LSB-42_12.0-14.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 041_LSB-42_12.0-14.0 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 041_LSB-42_12.0-14.0 | E537(M) | 39108-34-4 | 1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2F7S) | UJ |
| 041_LSB-42_12.0-14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 041_LSB-42_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 79-34-5 | 1,1,1,2-TETRACHLOROETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 79-00-5 | 1,1,2-TRICHLOROETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 87-61-6 | 1,2,3-TRICHLOROBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 95-93-2 | 1,2,4,5-TETRAMETHYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 120-82-1 | 1,2,4-TRICHLOROBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 95-50-1 | 1,2-DICHLOROBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 541-73-1 | 1,3-DICHLOROBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 142-28-9 | 1,3-DICHLOROPROPANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 106-46-7 | 1,4-DICHLOROBENZENE | UJ |

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| 042_LSB-50_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 78-93-3 | 2-BUTANONE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 67-64-1 | ACETONE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 67-64-1 | ACETONE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 108-86-1 | BROMOBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 108-90-7 | CHLOROBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 100-41-4 | ETHYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 100-42-5 | STYRENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 127-18-4 | TETRACHLOROETHENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 108-88-3 | TOLUENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 104-51-8 | N-BUTYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 95-47-6 | O-XYLENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 99-87-6 | P-ISOPROPYLTOLUENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 99-87-6 | P-ISOPROPYLTOLUENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 179601-23-1 | P/M-XYLENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |

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| 042_LSB-50_9.5-11.5 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | J |
| 042_LSB-50_9.5-11.5 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 042_LSB-50_9.5-11.5 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 043_LSB-53_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 044_LSB-42_7.5-9.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 045_LSB-54_9.5-11.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 045_LSB-54_9.5-11.5 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 045_LSB-54_9.5-11.5 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 045_LSB-54_9.5-11.5 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 045_LSB-54_9.5-11.5 | SW8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 047_LSB-41_4.0-6.0 | 6010D | 7429-90-5 | ALUMINUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-38-2 | ARSENIC, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-39-3 | BARIUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-70-2 | CALCIUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7439-89-6 | IRON, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7439-95-4 | MAGNESIUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7439-96-5 | MANGANESE, TOTAL | J |
| 047_LSB-41_4.0-6.0 | 6010D | 7782-49-2 | SELENIUM, TOTAL | U (1.89) |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-28-0 | THALLIUM, TOTAL | UJ |
| 047_LSB-41_4.0-6.0 | 6010D | 7440-62-2 | VANADIUM, TOTAL | J |
| 047_LSB-41_4.0-6.0 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 047_LSB-41_4.0-6.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 047_LSB-41_4.0-6.0 | SW8270D | 123-91-1 | 1,4-DIOXANE | UJ |
| 047_LSB-41_4.0-6.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 047_LSB-41_4.0-6.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 047_LSB-41_4.0-6.0 | SW8270D | 118-74-1 | HEXACHLOROENZENE | UJ |
| 047_LSB-41_4.0-6.0 | SW8270D | 98-95-3 | NITROBENZENE | UJ |

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| 047_LSB-41_4.0-6.0 | SW8270D | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 047_LSB-41_4.0-6.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 047_LSB-41_4.0-6.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 047_LSB-41_4.0-6.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONI C ACID (PFDS) | UJ |
| 047_LSB-41_4.0-6.0 | E537(M) | 754-91-6 | PERFLUOROOCTANESULFONA MIDE (FOSA) | UJ |
| 048_LSB-41_12.0-14.0 | 6010D | 7782-49-2 | SELENIUM, TOTAL | U (2.42) |
| 048_LSB-41_12.0-14.0 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 048_LSB-41_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 048_LSB-41_12.0-14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 048_LSB-41_12.0-14.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 048_LSB-41_12.0-14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHAN E | UJ |
| 048_LSB-41_12.0-14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 048_LSB-41_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 048_LSB-41_12.0-14.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONI C ACID (PFDS) | UJ |
| 048_LSB-41_12.0-14.0 | E537(M) | 754-91-6 | PERFLUOROOCTANESULFONA MIDE (FOSA) | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 71-55-6 | 1,1,1-TRICHLOROETHANE | UJ |

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| 049_LSB-47_8.5-10.5 | SW8260C | 71-55-6 | 1,1,1-TRICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-00-5 | 1,1,2-TRICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-00-5 | 1,1,2-TRICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-34-3 | 1,1-DICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-34-3 | 1,1-DICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-35-4 | 1,1-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-35-4 | 1,1-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 563-58-6 | 1,1-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 563-58-6 | 1,1-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 87-61-6 | 1,2,3-TRICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 87-61-6 | 1,2,3-TRICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-93-2 | 1,2,4,5-TETRAMETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-93-2 | 1,2,4,5-TETRAMETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 120-82-1 | 1,2,4-TRICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 120-82-1 | 1,2,4-TRICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-50-1 | 1,2-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-50-1 | 1,2-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 107-06-2 | 1,2-DICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 107-06-2 | 1,2-DICHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 540-59-0 | 1,2-DICHLOROETHENE (TOTAL) | UJ |

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| 049_LSB-47_8.5-10.5 | SW8260C | 540-59-0 | 1,2-DICHLOROETHENE (TOTAL) | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 78-87-5 | 1,2-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 78-87-5 | 1,2-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 541-73-1 | 1,3-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 541-73-1 | 1,3-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 142-28-9 | 1,3-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 142-28-9 | 1,3-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 542-75-6 | 1,3-DICHLOROPROPENE, TOTAL | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 542-75-6 | 1,3-DICHLOROPROPENE, TOTAL | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-46-7 | 1,4-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-46-7 | 1,4-DICHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 78-93-3 | 2-BUTANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 78-93-3 | 2-BUTANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 67-64-1 | ACETONE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 67-64-1 | ACETONE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 71-43-2 | BENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 71-43-2 | BENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-86-1 | BROMOBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-86-1 | BROMOBENZENE | UJ |

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| 049_LSB-47_8.5-10.5 | SW8260C | 74-97-5 | BROMOCHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-97-5 | BROMOCHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-27-4 | BROMODICHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-90-7 | CHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-90-7 | CHLOROBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 67-66-3 | CHLOROFORM | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 67-66-3 | CHLOROFORM | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-95-3 | DIBROMOMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 74-95-3 | DIBROMOMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 60-29-7 | ETHYL ETHER | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 60-29-7 | ETHYL ETHER | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 100-41-4 | ETHYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 100-41-4 | ETHYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |

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| 049_LSB-47_8.5-10.5 | SW8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 98-82-8 | ISOPROPYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 98-82-8 | ISOPROPYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 1634-04-4 | METHYL TERT BUTYL ETHER | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-09-2 | METHYLENE CHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-09-2 | METHYLENE CHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 100-42-5 | STYRENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 100-42-5 | STYRENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 127-18-4 | TETRACHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 127-18-4 | TETRACHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-88-3 | TOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-88-3 | TOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-01-4 | VINYL CHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 75-01-4 | VINYL CHLORIDE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 1330-20-7 | XYLENE (TOTAL) | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 1330-20-7 | XYLENE (TOTAL) | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 156-59-2 | CIS-1,2-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 156-59-2 | CIS-1,2-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 104-51-8 | N-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 104-51-8 | N-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |

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| 049_LSB-47_8.5-10.5 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-49-8 | O-CHLOROTOLUENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-49-8 | O-CHLOROTOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-47-6 | O-XYLENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 95-47-6 | O-XYLENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-43-4 | P-CHLOROTOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 106-43-4 | P-CHLOROTOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 105-05-5 | 1,4-DIETHYLBENZENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 105-05-5 | 1,4-DIETHYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 99-87-6 | P-ISOPROPYLTOLUENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 99-87-6 | P-ISOPROPYLTOLUENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 179601-23-1 | P/M-XYLENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 179601-23-1 | P/M-XYLENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | J |
| 049_LSB-47_8.5-10.5 | SW8260C | 156-60-5 | TRANS-1,2-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 156-60-5 | TRANS-1,2-DICHLOROETHENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 049_LSB-47_8.5-10.5 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 050_LSB-37_1.0-3.0 | 6010D | 7782-49-2 | SELENIUM, TOTAL | U (1.82) |
| 050_LSB-37_1.0-3.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (182) |
| 050_LSB-37_1.0-3.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 050_LSB-37_1.0-3.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 050_LSB-37_1.0-3.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |

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| 050_LSB-37_1.0-3.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHAN E | UJ |
| 050_LSB-37_1.0-3.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 050_LSB-37_1.0-3.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 050_LSB-37_1.0-3.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONI C ACID (PFDS) | UJ |
| 050_LSB-37_1.0-3.0 | E537(M) | 754-91-6 | PERFLUOROOCETANESULFONA MIDE (FOSA) | UJ |
| 051_LSB-37_12.0- 14.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (182) |
| 051_LSB-37_12.0- 14.0 | SW8081B | 72-55-9 | 4,4'-DDE | UJ |
| 051_LSB-37_12.0- 14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 051_LSB-37_12.0- 14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 051_LSB-37_12.0- 14.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 051_LSB-37_12.0- 14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHAN E | UJ |
| 051_LSB-37_12.0- 14.0 | SW8270D | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 051_LSB-37_12.0- 14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 051_LSB-37_12.0- 14.0 | E537(M) | 355-46-4 | PERFLUOROHEXANESULFONI C ACID (PFHXS) | UJ |
| 053_LSB-40_1.0-3.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 053_LSB-40_1.0-3.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 053_LSB-40_1.0-3.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 053_LSB-40_1.0-3.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHAN E | UJ |

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| 053_LSB-40_1.0-3.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 053_LSB-40_1.0-3.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 053_LSB-40_1.0-3.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 053_LSB-40_1.0-3.0 | E537(M) | 754-91-6 | PERFLUOROOCETANESULFONA MIDE (FOSA) | UJ |
| 054_LSB-40_12.0-14.0 | 6010D | 7782-49-2 | SELENIUM, TOTAL | U (1.94) |
| 054_LSB-40_12.0-14.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (194) |
| 054_LSB-40_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 054_LSB-40_12.0-14.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 054_LSB-40_12.0-14.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 054_LSB-40_12.0-14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 054_LSB-40_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 054_LSB-40_12.0-14.0 | E537(M) | 754-91-6 | PERFLUOROOCETANESULFONA MIDE (FOSA) | UJ |
| 055_LSB-46_6.0-8.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 055_LSB-46_6.0-8.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 055_LSB-46_6.0-8.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 055_LSB-46_6.0-8.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 95-94-3 | 1,2,4,5- TETRACHLOROBENZENE | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |

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| 055_LSB-46_6.0-8.0 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 92-52-4 | BIPHENYL | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 055_LSB-46_6.0-8.0 | SW8270D | 98-95-3 | NITROBENZENE | UJ |
| 056_LSB-45_7.5-9.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 056_LSB-45_7.5-9.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 056_LSB-45_7.5-9.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 056_LSB-45_7.5-9.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 92-52-4 | BIPHENYL | J |
| 056_LSB-45_7.5-9.5 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 056_LSB-45_7.5-9.5 | SW8270D | 98-95-3 | NITROBENZENE | UJ |
| 057_LSB-41_7.5-9.5 | SW8260C | 95-93-2 | 1,2,4,5-TETRAMETHYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 057_LSB-41_7.5-9.5 | SW8260C | 67-64-1 | ACETONE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 057_LSB-41_7.5-9.5 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 057_LSB-41_7.5-9.5 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 057_LSB-41_7.5-9.5 | SW8260C | 100-41-4 | ETHYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 98-82-8 | ISOPROPYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 1330-20-7 | XYLENE (TOTAL) | J |

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| 057_LSB-41_7.5-9.5 | SW8260C | 104-51-8 | N-BUTYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 103-65-1 | N-PROPYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 95-47-6 | O-XYLENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | J |
| 057_LSB-41_7.5-9.5 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | J |
| 058_LSB-40_6.0-8.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 058_LSB-40_6.0-8.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 058_LSB-40_6.0-8.0 | SW8260C | 74-87-3 | CHLOROMETHANE | UJ |
| 058_LSB-40_6.0-8.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 92-52-4 | BIPHENYL | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 058_LSB-40_6.0-8.0 | SW8270D | 98-95-3 | NITROBENZENE | UJ |
| 060_LSB-36_1.0-3.0 | SW8081B | 57-74-9 | CHLORDANE | J |
| 060_LSB-36_1.0-3.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 060_LSB-36_1.0-3.0 | SW8151A | 93-72-1 | 2,4,5-TP (SILVEX) | UJ |
| 060_LSB-36_1.0-3.0 | SW8151A | 94-75-7 | 2,4-D | UJ |
| 060_LSB-36_1.0-3.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 060_LSB-36_1.0-3.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 060_LSB-36_1.0-3.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |

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| 060_LSB-36_1.0-3.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 060_LSB-36_1.0-3.0 | E537(M) | 355-46-4 | PERFLUOROHXANESULFONIC ACID (PFHXS) | UJ |
| 060_LSB-36_1.0-3.0 | E537(M) | 754-91-6 | PERFLUOROOCTANESULFONAMIDE (FOSA) | UJ |
| 061_LSB-36_12.0-14.0 | SW8151A | 93-72-1 | 2,4,5-TP (SILVEX) | UJ |
| 061_LSB-36_12.0-14.0 | SW8151A | 94-75-7 | 2,4-D | UJ |
| 061_LSB-36_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 92-52-4 | BIPHENYL | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |
| 061_LSB-36_12.0-14.0 | SW8270D | 98-95-3 | NITROBENZENE | UJ |
| 061_LSB-36_12.0-14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 061_LSB-36_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |
| 061_LSB-36_12.0-14.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |

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| 061_LSB-36_12.0-14.0 | E537(M) | 754-91-6 | PERFLUOROOCCTANESULFONAMIDE (FOSA) | UJ |
| 062_LSB-38_2.0-4.0 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 062_LSB-38_2.0-4.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (174) |
| 062_LSB-38_2.0-4.0 | SW7196A | 18540-29-9 | CHROMIUM, HEXAVALENT | UJ |
| 062_LSB-38_2.0-4.0 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 062_LSB-38_2.0-4.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 062_LSB-38_2.0-4.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCCTANESULFONAMIDOACETIC ACID (NETFOSAA) | UJ |
| 062_LSB-38_2.0-4.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCCTANESULFONAMIDOACETIC ACID (NMEFOSAA) | UJ |
| 062_LSB-38_2.0-4.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 062_LSB-38_2.0-4.0 | E537(M) | 754-91-6 | PERFLUOROOCCTANESULFONAMIDE (FOSA) | UJ |
| 063_LSB-38_12.0-14.0 | 6010D | 7440-23-5 | SODIUM, TOTAL | U (183) |
| 063_LSB-38_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 95-94-3 | 1,2,4,5-TETRACHLOROBENZENE | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 534-52-1 | 4,6-DINITRO-O-CRESOL | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 106-47-8 | 4-CHLOROANILINE | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 100-02-7 | 4-NITROPHENOL | UJ |
| 063_LSB-38_12.0-14.0 | SW8270D | 92-52-4 | BIPHENYL | J |
| 063_LSB-38_12.0-14.0 | SW8270D | 108-60-1 | BIS(2-CHLOROISOPROPYL)ETHER | UJ |

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| 063_LSB-38_12.0-14.0 | SW8270D | 98-95-3 | NITROBENZENE | UJ |
| 063_LSB-38_12.0-14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 063_LSB-38_12.0-14.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCTANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 063_LSB-38_12.0-14.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 063_LSB-38_12.0-14.0 | E537(M) | 754-91-6 | PERFLUOROOCTANESULFONAMIDE (FOSA) | UJ |
| 065_LSB-39_1.0-3.0 | SW8081B | 72-54-8 | 4,4'-DDD | J |
| 065_LSB-39_1.0-3.0 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 065_LSB-39_1.0-3.0 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 065_LSB-39_1.0-3.0 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 065_LSB-39_1.0-3.0 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 065_LSB-39_1.0-3.0 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 630-20-6 | 1,1,1,2-TETRACHLOROETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 79-34-5 | 1,1,2,2-TETRACHLOROETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 79-00-5 | 1,1,2-TRICHLOROETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-34-3 | 1,1-DICHLOROETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 87-61-6 | 1,2,3-TRICHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 96-18-4 | 1,2,3-TRICHLOROPROPANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 95-93-2 | 1,2,4,5- TETRAMETHYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 120-82-1 | 1,2,4-TRICHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 95-63-6 | 1,2,4-TRIMETHYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 96-12-8 | 1,2-DIBROMO-3- CHLOROPROPANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 106-93-4 | 1,2-DIBROMOETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 95-50-1 | 1,2-DICHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 78-87-5 | 1,2-DICHLOROPROPANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 108-67-8 | 1,3,5-TRIMETHYLBENZENE | UJ |

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| 065_LSB-39_1.0-3.0 | SW8260C | 541-73-1 | 1,3-DICHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 142-28-9 | 1,3-DICHLOROPROPANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 106-46-7 | 1,4-DICHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 78-93-3 | 2-BUTANONE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 591-78-6 | 2-HEXANONE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 67-64-1 | ACETONE | J |
| 065_LSB-39_1.0-3.0 | SW8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 108-86-1 | BROMOBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-25-2 | BROMOFORM | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 74-83-9 | BROMOMETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 108-90-7 | CHLOROBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-00-3 | CHLOROETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 74-87-3 | CHLOROMETHANE | U (7.4) |
| 065_LSB-39_1.0-3.0 | SW8260C | 124-48-1 | DIBROMOCHLOROMETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 100-41-4 | ETHYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 100-42-5 | STYRENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 127-18-4 | TETRACHLOROETHENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 108-88-3 | TOLUENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |

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| 065_LSB-39_1.0-3.0 | SW8260C | 104-51-8 | N-BUTYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 103-65-1 | N-PROPYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 95-47-6 | O-XYLENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 622-96-8 | 4-ETHYLTOLUENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 99-87-6 | P-ISOPROPYLTOLUENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 179601-23-1 | P/M-XYLENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 135-98-8 | SEC-BUTYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 98-06-6 | TERT-BUTYLBENZENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 10061-02-6 | TRANS-1,3-DICHLOROPROPENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 065_LSB-39_1.0-3.0 | SW8270D | 123-91-1 | 1,4-DIOXANE | UJ |
| 065_LSB-39_1.0-3.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 065_LSB-39_1.0-3.0 | SW8270D | 100-51-6 | BENZYL ALCOHOL | UJ |
| 065_LSB-39_1.0-3.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONAMIDE ACID (NETFOSAA) | UJ |
| 065_LSB-39_1.0-3.0 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONAMIDE ACID (NMEFOSAA) | UJ |
| 065_LSB-39_1.0-3.0 | E537(M) | 335-77-3 | PERFLUORODECANESULFONIC ACID (PFDS) | UJ |
| 065_LSB-39_1.0-3.0 | E537(M) | 754-91-6 | PERFLUOROOCETANESULFONAMIDE (FOSA) | UJ |
| 066_LSB-39_12.0-14.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 066_LSB-39_12.0-14.0 | SW8270D | 123-91-1 | 1,4-DIOXANE | UJ |
| 066_LSB-39_12.0-14.0 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 066_LSB-39_12.0-14.0 | SW8081B | 72-54-8 | 4,4'-DDD | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7429-90-5 | ALUMINUM, TOTAL | J |

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| 066_LSB-39_12.0-14.0 | 6010D | 7440-38-2 | ARSENIC, TOTAL | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-39-3 | BARIUM, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW8270D | 100-51-6 | BENZYL ALCOHOL | UJ |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-70-2 | CALCIUM, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW8260C | 56-23-5 | CARBON TETRACHLORIDE | UJ |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 066_LSB-39_12.0-14.0 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 066_LSB-39_12.0-14.0 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 066_LSB-39_12.0-14.0 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 066_LSB-39_12.0-14.0 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 066_LSB-39_12.0-14.0 | 6010D | 7439-89-6 | IRON, TOTAL | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7439-92-1 | LEAD, TOTAL | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7439-95-4 | MAGNESIUM, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 066_LSB-39_12.0-14.0 | SW8260C | 91-20-3 | NAPHTHALENE | J |
| 066_LSB-39_12.0-14.0 | SW8270D | 91-20-3 | NAPHTHALENE | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-02-0 | NICKEL, TOTAL | J |
| 066_LSB-39_12.0-14.0 | E537(M) | 375-95-1 | PERFLUORONONANOIC ACID (PFNA) | UJ |

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|-------------------------|-----------------|--------------|-----------------------------------|----------------------------|
| 066_LSB-39_12.0-14.0 | E537(M) | 754-91-6 | PERFLUOROOCTANESULFONAMIDE (FOSA) | UJ |
| 066_LSB-39_12.0-14.0 | E537(M) | TOTPFOPFOS | PFOA/PFOS, TOTAL | UJ |
| 066_LSB-39_12.0-14.0 | SW8270D | 85-01-8 | PHENANTHRENE | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-09-7 | POTASSIUM, TOTAL | J |
| 066_LSB-39_12.0-14.0 | 6010D | 7440-22-4 | SILVER, TOTAL | J |
| 066_LSB-39_12.0-14.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 066_LSB-39_12.0-14.0 | SW8260C | 75-69-4 | TRICHLOROFLUOROMETHANE | UJ |
| 067_DUP-2 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 067_DUP-2 | SW8270D | 123-91-1 | 1,4-DIOXANE | UJ |
| 067_DUP-2 | SW8270D | 88-75-5 | 2-NITROPHENOL | UJ |
| 067_DUP-2 | SW8081B | 72-54-8 | 4,4'-DDD | J |
| 067_DUP-2 | SW8260C | 67-64-1 | ACETONE | UJ |
| 067_DUP-2 | 6010D | 7429-90-5 | ALUMINUM, TOTAL | J |
| 067_DUP-2 | 6010D | 7440-38-2 | ARSENIC, TOTAL | J |
| 067_DUP-2 | 6010D | 7440-39-3 | BARIUM, TOTAL | J |
| 067_DUP-2 | SW8270D | 100-51-6 | BENZYL ALCOHOL | UJ |
| 067_DUP-2 | 6010D | 7440-70-2 | CALCIUM, TOTAL | J |
| 067_DUP-2 | 6010D | 7440-50-8 | COPPER, TOTAL | J |
| 067_DUP-2 | SW8081B | 33213-65-9 | ENDOSULFAN II | UJ |
| 067_DUP-2 | SW8081B | 1031-07-8 | ENDOSULFAN SULFATE | UJ |
| 067_DUP-2 | SW8081B | 7421-93-4 | ENDRIN ALDEHYDE | UJ |
| 067_DUP-2 | SW8081B | 53494-70-5 | ENDRIN KETONE | UJ |
| 067_DUP-2 | 6010D | 7439-89-6 | IRON, TOTAL | J |
| 067_DUP-2 | 6010D | 7439-92-1 | LEAD, TOTAL | J |
| 067_DUP-2 | 6010D | 7439-95-4 | MAGNESIUM, TOTAL | J |
| 067_DUP-2 | SW7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 067_DUP-2 | SW8081B | 72-43-5 | METHOXYCHLOR | UJ |
| 067_DUP-2 | SW8260C | 91-20-3 | NAPHTHALENE | UJ |

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| 067_DUP-2 | SW8270D | 91-20-3 | NAPHTHALENE | J |
| 067_DUP-2 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | UJ |
| 067_DUP-2 | 6010D | 7440-02-0 | NICKEL, TOTAL | J |
| 067_DUP-2 | E537(M) | 2355-31-9 | N-METHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NMEFOSAA) | UJ |
| 067_DUP-2 | E537(M) | 335-77-3 | PERFLUORODECANESULFONI C ACID (PFDS) | UJ |
| 067_DUP-2 | E537(M) | 375-95-1 | PERFLUORONONANOIC ACID (PFNA) | J |
| 067_DUP-2 | E537(M) | 754-91-6 | PERFLUOROOCETANESULFONA MIDE (FOSA) | UJ |
| 067_DUP-2 | E537(M) | TOTPF0AP FOS | PFOA/PFOS, TOTAL | J |
| 067_DUP-2 | SW8270D | 85-01-8 | PHENANTHRENE | J |
| 067_DUP-2 | 6010D | 7440-09-7 | POTASSIUM, TOTAL | J |
| 067_DUP-2 | 6010D | 7440-22-4 | SILVER, TOTAL | J |
| 067_DUP-2 | SW8260C | 108-05-4 | VINYL ACETATE | UJ |
| 030_LSB-44_3.0-5.0 | SW8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 030_LSB-44_3.0-5.0 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONI C ACID (PFOS) | J |
| 037_LSB-43_2.5-4.5 | E537(M) | 307-24-4 | PERFLUOROHXANOIC ACID (PFHXA) | J |
| 037_LSB-43_2.5-4.5 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONI C ACID (PFOS) | J |
| 038_LSB-43_12.0- 14.0 | E537(M) | 2991-50-6 | N-ETHYL PERFLUOROOCETANESULFONA MIDOACETIC ACID (NETFOSAA) | J |
| 038_LSB-43_12.0- 14.0 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONI C ACID (PFOS) | J |
| 040_LSB-42_1.5-3.5 | E537(M) | 355-46-4 | PERFLUOROHXANESULFONI C ACID (PFHXS) | J |
| 040_LSB-42_1.5-3.5 | E537(M) | 1763-23-1 | PERFLUOROOCETANESULFONI C ACID (PFOS) | J |

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| 065_LSB-39_1.0-3.0 | E537(M) | 307-24-4 | PERFLUOROHEXANOIC ACID (PFHXA) | J |
| 067_DUP-2 | E537(M) | 307-55-1 | PERFLUORODODECANOIC ACID (PFDOA) | J |
| 067_DUP-2 | E537(M) | 2058-94-8 | PERFLUOROUNDECANOIC ACID (PFUNA) | J |
| 060_LSB-36_1.0-3.0 | SW8082A | 11097-69-1 | AROCLOR 1254 | J |
| 060_LSB-36_1.0-3.0 | SW8082A | 11096-82-5 | AROCLOR 1260 | J |
| 047_LSB-41_4.0-6.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 050_LSB-37_1.0-3.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 053_LSB-40_1.0-3.0 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |
| 067_DUP-2 | SW8081B | 5103-74-2 | TRANS-CHLORDANE | J |

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

L2035280

VOCs by SW-846 Method 8260C

The MB for batch WG1407191 exhibited a detection of chloromethane (1.8 ug/kg). The associated results in sample 065_LSB-39_1.0-3.0 are qualified as "U" at the reporting limit based on potential blank contamination.

The sample 042_LSB-50_9.5-11.5 exhibited percent recoveries above the upper control limit (UCL) for the surrogates 4-bromofluorobenzene (302%) and 4-bromofluorobenzene (174%). The associated results are qualified as "J" based on potential high bias.

The sample 049_LSB-47_8.5-10.5 exhibited percent recoveries above the UCL for the surrogates 4-bromofluorobenzene (899%) and toluene-d8 (178%). The associated results are qualified as "J" based on potential high bias.

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The sample 057_LSB-41_7.5-9.5 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (199%). The associated results are qualified as "J" based on potential high bias.

The sample 042_LSB-50_9.5-11.5 exhibited a percent recovery below the lower control limit (LCL) for the internal standard 1,4-dichlorobenzene-d4 (44.46%). The associated results are qualified as "J" or "UJ" based on potential high bias or loss of instrument sensitivity.

The sample 049_LSB-47_8.5-10.5 exhibited percent recoveries below the LCL for the internal standard chlorobenzene-d5 (48.58%) and 1,4-dichlorobenzene-d4 (25.33%). The associated results are qualified as "J" or "UJ" based on potential high bias or loss of instrument sensitivity.

The sample 065_LSB-39_1.0-3.0 exhibited a percent recovery below the LCL for the internal standard 1,4-dichlorobenzene-d4 (37.69%). The associated results are qualified as "J" or "UJ" based on potential high bias or loss of instrument sensitivity.

The initial calibration (ICAL) for instrument VOA104 exhibited a response factor (RF) below the control limit for 1,4-dioxane (0.002%). The associated results in sample 030_LSB-44_3.0-5.0, 031_LSB-44_12.0-14.0, 032_DUP-1, 033_LSB-49_9.5-11.5, 035_LSB-52_9.5-11.5, 037_LSB-43_2.5-4.5, 038_LSB-43_12.0-14.0, 039_LSB-48_8.0-10.0, 040_LSB-42_1.5-3.5, 041_LSB-42_12.0-14.0, 042_LSB-50_9.5-11.5, 043_LSB-53_9.5-11.5, 044_LSB-42_7.5-9.5, 045_LSB-54_9.5-11.5, 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 051_LSB-37_12.0-14.0, 053_LSB-40_1.0-3.0, 054_LSB-40_12.0-14.0, 055_LSB-46_6.0-8.0, 056_LSB-45_7.5-9.5, 057_LSB-41_7.5-9.5, and 058_LSB-40_6.0-8.0 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument VOA126 exhibited a RF below the control limit for 1,4-dioxane (0.002). The associated results in sample 065_LSB-39_1.0-3.0 and 066_LSB-39_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The ICAL for instrument VOA100 exhibited a RF below the control limit for 1,4-dioxane (0.001%). The associated results in sample 047_LSB-41_4.0-6.0, 049_LSB-47_8.5-10.5, 060_LSB-36_1.0-3.0, 061_LSB-36_12.0-14.0, 062_LSB-38_2.0-4.0, 063_LSB-38_12.0-14.0, and 067_DUP-2 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 8/31/2020 at 18:02 exhibited percent drifts (%Ds) above the control limit for trichlorofluoromethane (24.4%), carbon disulfide (28.8%), carbon tetrachloride (24.2%), bromodichloromethane (20.2%), chlorodibromomethane (21.8%), and bromoform (25.1%). The associated results in sample 030_LSB-44_3.0-5.0, 031_LSB-

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44_12.0-14.0, 032_DUP-1, 033_LSB-49_9.5-11.5 and 035_LSB-52_9.5-11.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 06:28 exhibited a RF below the control limit for 1,4-dioxane (0.00149). The associated results in sample 041_LSB-42_12.0-14.0 and 044_LSB-42_7.5-9.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 06:28 exhibited a RF below the control limit for 1,4-dioxane (0.00149). The associated results in sample 033_LSB-49_9.5-11.5, 038_LSB-43_12.0-14.0, 039_LSB-48_8.0-10.0, 040_LSB-42_1.5-3.5, 042_LSB-50_9.5-11.5, 043_LSB-53_9.5-11.5, and 045_LSB-54_9.5-11.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 14:05 exhibited a RF below the control limit for 1,4-dioxane (0.00299). The associated results in sample 049_LSB-47_8.5-10.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 17:56 exhibited a RF below the control limit for 1,4-dioxane (0.00185). The associated results in sample 037_LSB-43_2.5-4.5, 041_LSB-42_12.0-14.0, and 042_LSB-50_9.5-11.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 17:56 exhibited %Ds above the control limit for dichlorodifluoromethane (-26%), chloromethane (-25%), 1,4-dioxane (-20.1%), and bromoform (21.1%). The associated results in sample 037_LSB-43_2.5-4.5, 041_LSB-42_12.0-14.0, and 042_LSB-50_9.5-11.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/3/2020 at 05:52 exhibited a RF below the control limit for 1,4-dioxane (0.0018). The associated results in sample 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 051_LSB-37_12.0-14.0, 053_LSB-40_1.0-3.0, 054_LSB-40_12.0-14.0, 055_LSB-46_6.0-8.0, 056_LSB-45_7.5-9.5, 057_LSB-41_7.5-9.5, and 058_LSB-40_6.0-8.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/3/2020 at 05:52 exhibited %Ds above the control limit for dichlorodifluoromethane (-26.5%), chloromethane (-26.5%), and bromoform (21.9%). The associated results in sample 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 051_LSB-37_12.0-14.0, 053_LSB-40_1.0-3.0, 054_LSB-40_12.0-14.0, 055_LSB-46_6.0-8.0, 056_LSB-45_7.5-9.5, 057_LSB-41_7.5-9.5, and 058_LSB-40_6.0-8.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/4/2020 at 11:29 exhibited %Ds above the control limit for dichlorodifluoromethane (-43.6%), trichlorofluoromethane (-27.4%), and carbon tetrachloride (-

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28.4%). The associated results in sample 065_LSB-39_1.0-3.0 and 066_LSB-39_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/6/2020 at 16:08 exhibited a RF below the control limit for 1,4-dioxane (0.00149%). The associated results in sample 065_LSB-39_1.0-3.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/6/2020 at 16:08 exhibited %Ds above the control limit for bromomethane (24.5%), chloroethane (23.2%), carbon disulfide (31.9%), acetone (28.9%), 1,1-dichloroethane (24%), acrylonitrile (24.9%), 2-butanone (23%), 1,2-dichloropropane (24.7%), and hexachlorobutadiene (-20.1%). The associated results in sample 065_LSB-39_1.0-3.0 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/10/2020 at 07:56 exhibited %Ds above the control limit for acetone (-21.8%) and vinyl acetate (-21.1%). The associated results in sample 067_DUP-2 are qualified as "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

The LCS/LCSD for batch WG1406182 exhibited a percent recovery below the LCL for 1,4-dioxane (36%, 36%). The associated results in sample 065_LSB-39_1.0-3.0, 066_LSB-39_12.0-14.0, and 067_DUP-2 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 8/31/2020 at 13:17 exhibited %Ds above the control limit for bis(2-chloroisopropyl)ether (-27.5%), hexachlorocyclopentadiene (22%), 2,4-dinitrophenol (-20.4%), and 4-nitrophenol (-30.4%). The associated results in sample 037_LSB-43_2.5-4.5, 039_LSB-48_8.0-10.0, 041_LSB-42_12.0-14.0, and 045_LSB-54_9.5-11.5 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 08:02 exhibited %Ds above the control limit for nitrobenzene (-22.9%), 2-nitrophenol (-23.6%), 4-nitrophenol (-22.5%), hexachlorobenzene (22.2%), pentachlorophenol (25.7%), and 1,4-dioxane (20.7%). The associated results in sample 047_LSB-41_4.0-6.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/2/2020 at 20:41 exhibited %Ds above the control limit for 2-nitrophenol (-20.2%), 4-chloroaniline (-20.9%), bis(2-chloroisopropyl)ether (-29.4%), nitrobenzene (-22.1%), 2,4-dinitrophenol (-25.9%), 4-nitrophenol (-48.6%), 4,6-dinitro-o-cresol (-22.4%), 1,2,4,5-tetrachlorobenzene (22%), and biphenyl (22.1%). The associated results in sample 055_LSB-46_6.0-8.0, 056_LSB-45_7.5-9.5, 058_LSB-40_6.0-8.0, 061_LSB-36_12.0-14.0, and 063_LSB-38_12.0-14.0 are qualified as "J" or "UJ" based on potential indeterminate bias.

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The CCV analyzed on 9/4/2020 at 08:35 exhibited %Ds above the control limit for benzyl alcohol (-24.1%), 2-nitrophenol (-23.8%), and 1,4-dioxane (27.3%). The associated results in sample 065_LSB-39_1.0-3.0, 066_LSB-39_12.0-14.0, and 067_DUP-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/8/2020 at 09:13 exhibited a %D above the control limit for pentachlorophenol (20.3%). The associated results in sample 051_LSB-37_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

PFAS by USEPA Method 537M

The FB (034_FB_08272020) exhibited a detection of perfluorohexanoic acid (0.343 ng/l). The associated results in sample 030_LSB-44_3.0-5.0, 031_LSB-44_12.0-14.0, 032_DUP-1, 033_LSB-49_9.5-11.5, and 035_LSB-52_9.5-11.5 are qualified as "U" at the reporting limit based on potential blank contamination.

The sample 050_LSB-37_1.0-3.0 exhibited percent recoveries below the LCL for the isotope dilution standards n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (34%) and n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (37%). The associated results are qualified as "UJ" based on potential low bias.

The LCS for batch WG1406585 exhibited a percent recovery below the LCL for perfluorooctanesulfonamide (59%). The associated results in sample 047_LSB-41_4.0-6.0, 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 053_LSB-40_1.0-3.0, 054_LSB-40_12.0-14.0, 060_LSB-36_1.0-3.0, 061_LSB-36_12.0-14.0, 062_LSB-38_2.0-4.0, 063_LSB-38_12.0-14.0, 065_LSB-39_1.0-3.0, 066_LSB-39_12.0-14.0, and 067_DUP-2 are qualified as "UJ" based on potential low bias.

The CCV analyzed on 9/1/2020 at 17:59 exhibited %Ds above the control limit for 1h,1h,2h,2h-perfluorodecanesulfonic acid (38.5%), n-methyl perfluorooctanesulfonamidoacetic acid-branched (31.3%), and n-ethyl perfluorooctanesulfonamidoacetic acid-branched (35.1%). The associated results in sample 030_LSB-44_3.0-5.0, 031_LSB-44_12.0-14.0, 032_DUP-1, 037_LSB-43_2.5-4.5, 040_LSB-42_1.5-3.5, and 041_LSB-42_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/6/2020 at 20:30 exhibited %Ds above the control limit for n-methyl perfluorooctanesulfonamidoacetic acid-branched (31.6%), perfluorodecanesulfonic acid (42.2%), and n-ethyl perfluorooctanesulfonamidoacetic acid-branched (20.9%). The associated results in sample 047_LSB-41_4.0-6.0, 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 053_LSB-40_1.0-3.0,

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060_LSB-36_1.0-3.0, and 061_LSB-36_12.0-14.0, 062_LSB-38_2.0-4.0, 063_LSB-38_12.0-14.0, 065_LSB-39_1.0-3.0, and 067_DUP-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/8/2020 at 12:28 exhibited a %D above the control limit for n-methyl perfluorooctanesulfonamidoacetic acid-branched (24.3%). The associated results in sample 054_LSB-40_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/9/2020 at 11:06 exhibited %Ds above the control limit for n-ethyl perfluorooctanesulfonamidoacetic acid-branched (45.9%) and perfluorohexanesulfonic acid-branched (48.1%). The associated results in sample 051_LSB-37_12.0-14.0 and 060_LSB-36_1.0-3.0 are qualified as "UJ" based on potential indeterminate bias.

The laboratory noted the ratio of quantifier ion response to qualifier ion response recovered outside of laboratory criteria for samples 030_LSB-44_3.0-5.0, 037_LSB-43_2.5-4.5, 038_LSB-43_12.0-14.0, 040_LSB-42_1.5-3.5, 065_LSB-39_1.0-3.0, and 067_DUP-2. The associated results in samples 030_LSB-44_3.0-5.0, 037_LSB-43_2.5-4.5, 038_LSB-43_12.0-14.0, 040_LSB-42_1.5-3.5, 065_LSB-39_1.0-3.0, and 067_DUP-2 are qualified as "J" based on indeterminate bias.

Herbicides by SW-846 Method 8151A

The LCS/LCSD for batch WG1405963 exhibited a relative percent difference (RPD) above the control limit for 2,4-d (31%). The associated results in sample 060_LSB-36_1.0-3.0 and 061_LSB-36_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/4/2020 at 08:14 exhibited a %D above the control limit for 2,4,5-tp (-16.8%). The associated results in sample 060_LSB-36_1.0-3.0 and 061_LSB-36_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

PCBs by SW-846 Method 8082A

The sample 060_LSB-36_1.0-3.0 exhibited RPDs above the control limit between the primary and secondary GC columns for Aroclor 1254 (42.4%) and Aroclor 1260 (45.1%). The associated results are qualified as "J" based on potential indeterminate bias.

Pesticides by SW-846 Method 8081B

The sample 031_LSB-44_12.0-14.0 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (23%). The associated results are qualified as "UJ" based on potential low bias.

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The sample 032_DUP-1 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (21%). The associated results are qualified as "UJ" based on potential low bias.

The sample 065_LSB-39_1.0-3.0 exhibited percent recoveries above the UCL for the surrogates decachlorobiphenyl (200%) and decachlorobiphenyl (351%). The associated results are qualified as "J" based on potential high bias.

The LCS/LCSD for batch WG1406204 exhibited RPDs above the control limit for endrin aldehyde (51%), endrin ketone (54%), endosulfan II (34%), endosulfan sulfate (62%), and methoxychlor (31%). The associated results in sample 065_LSB-39_1.0-3.0, 066_LSB-39_12.0-14.0, and 067_DUP-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/4/2020 at 09:07 exhibited a %D above the control limit for methoxychlor (-26.6%). The associated results in sample 047_LSB-41_4.0-6.0, 050_LSB-37_1.0-3.0, and 053_LSB-40_1.0-3.0 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 9/8/2020 at 07:58 exhibited a %D above the control limit for 4,4'-DDE (20.2%). The associated results in sample 048_LSB-41_12.0-14.0 and 051_LSB-37_12.0-14.0 are qualified as "UJ" based on potential indeterminate bias.

The sample 037_LSB-43_2.5-4.5 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDT (56%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 040_LSB-42_1.5-3.5 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (197%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 060_LSB-36_1.0-3.0 exhibited RPDs above the control limit between the primary and secondary GC columns for trans-chlordane (155%) and chlordane (58%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 066_LSB-39_12.0-14.0 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (199%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 037_LSB-43_2.5-4.5 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (64.5%). The associated results are qualified as "J" based on potential indeterminate bias.

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The sample 047_LSB-41_4.0-6.0 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (196%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 050_LSB-37_1.0-3.0 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (195.8%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 053_LSB-40_1.0-3.0 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (197.7%). The associated results are qualified as "J" based on potential indeterminate bias.

The sample 067_DUP-2 exhibited a RPD above the control limit between the primary and secondary GC columns for trans-chlordane (196.3%). The associated results are qualified as "J" based on potential indeterminate bias.

Metals by SW-846 Method 6010D

The serial dilution performed on sample 047_LSB-41_4.0-6.0 exhibited percent differences above the control limit for total aluminum (33%), total barium (32%), total calcium (33%), total chromium (33%), total copper (26%), total iron (35%), total magnesium (34%), total manganese (35%), and total vanadium (30%). The associated results are qualified as "J" based on potential indeterminate bias.

The MB for batch WG1404915 exhibited a detection of total sodium (3.24 mg/kg). The associated results in sample 032_DUP-1, 038_LSB-43_12.0-14.0, and 041_LSB-42_12.0-14.0 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1405382 exhibited detections of total selenium (0.156 mg/kg) and total sodium (3.38 mg/kg). The associated results in sample 047_LSB-41_4.0-6.0, 048_LSB-41_12.0-14.0, 050_LSB-37_1.0-3.0, 051_LSB-37_12.0-14.0, and 054_LSB-40_12.0-14.0 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The MB for batch WG1405865 exhibited a detection of total sodium (9.06 mg/kg). The associated results in sample 062_LSB-38_2.0-4.0 and 063_LSB-38_12.0-14.0 are qualified as "U" at the reporting limit based on potential blank contamination.

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The MSD performed on sample 047_LSB-41_4.0-6.0 exhibited percent recoveries above the UCL for total arsenic (139%) and total vanadium (128%). The associated results in sample 047_LSB-41_4.0-6.0 are qualified as "J" based on potential high bias.

The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited a percent recovery below the LCL for total thallium (72%, 71%). The associated results in sample 047_LSB-41_4.0-6.0 are qualified as "UJ" based on potential low bias.

The MSD performed on sample 062_LSB-38_2.0-4.0 exhibited a percent recovery below the LCL for total copper (64%). The associated results in sample 062_LSB-38_2.0-4.0 are qualified as "J" based on potential low bias.

Mercury by SW-846 Method 7471B

The MSD performed on sample 047_LSB-41_4.0-6.0 exhibited a percent recovery above the UCL for total mercury (149%). The associated results in sample 047_LSB-41_4.0-6.0 are qualified as "J" based on potential high bias.

The MS performed on sample 062_LSB-38_2.0-4.0 exhibited a percent recovery above the UCL for total mercury (130%). The associated results in sample 062_LSB-38_2.0-4.0 are qualified as "J" based on potential high bias.

Hexavalent Chromium by SW-846 Method 7196A

The MS/MSD performed on sample 062_LSB-38_2.0-4.0 exhibited a RPD above the control limit for hexavalent chromium (24%). The associated results in sample 062_LSB-38_2.0-4.0 are qualified as "UJ" based on potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

L2035280

VOCs by SW-846 Method 8260C

The MB for batch WG1406130 exhibited a detection of bromomethane (82 ug/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1406233 exhibited detections of 1,2,3-trichlorobenzene (0.36 ug/kg), 1,2,4-trichlorobenzene (0.31 ug/kg), and bromomethane (0.61 ug/kg). The associated results are non-detections. No qualification is necessary.

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The MB for batch WG1406401 exhibited a detection of bromomethane (0.68 ug/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1407191 exhibited detections of 1,2,3-trichlorobenzene (0.39 ug/kg) and 1,2,4-trichlorobenzene (0.31 ug/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1408327 exhibited detections of 1,2,3-trichlorobenzene (0.33 ug/kg), naphthalene (0.77 ug/kg), and n-propylbenzene (0.19 ug/kg). The associated results are non-detections. No qualification is necessary.

The sample 041_LSB-42_12.0-14.0 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (193%). This surrogate recovery is associated with a non-reportable confirmation run. No qualification is necessary.

The sample 065_LSB-39_1.0-3.0 exhibited percent recoveries above the UCL for the surrogates 4-bromofluorobenzene (138%) and toluene-d8 (132%). These recoveries are associated with a non-reportable confirmation run. No qualification is necessary.

The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited percent recoveries below the LCL for the MS and/or MSD for methylene chloride (66%, 58%), dibromochloromethane (69%, 59%), 1,1,2-trichloroethane (69%, 63%), chlorobenzene (54%, 47%), 1,2-dichloroethane (62%, 53%), bromodichloromethane (% , 69%), trans-1,3-dichloropropene (36%, 26%), cis-1,3-dichloropropene (55%, 44%), bromoform (62%, 52%), 1,1,2,2-tetrachloroethane (64%, 56%), toluene (% , 69%), ethylbenzene (68%, 66%), trans-1,2-dichloroethene (69%, 62%), trichloroethene (% , 69%), 1,2-dichlorobenzene (35%, 30%), 1,3-dichlorobenzene (37%, 32%), 1,4-dichlorobenzene (31%, 26%), p/m-xylene (67%, 65%), o-xylene (68%, 64%), cis-1,2-dichloroethene (65%, 55%), dibromomethane (49%, 38%), styrene (50%, 43%), 2-butanone (% , 69%), vinyl acetate (44%, 29%), 1,2,3-trichloropropane (61%, 55%), 2-hexanone (67%, 60%), bromochloromethane (62%, 50%), 1,2-dibromoethane (47%, 37%), 1,3-dichloropropane (60%, 52%), bromobenzene (44%, 36%), n-butylbenzene (49%, 52%), sec-butylbenzene (63%, 68%), tert-butylbenzene (69%), o-chlorotoluene (57%, 53%), p-chlorotoluene (44%, 40%), 1,2-dibromo-3-chloropropane (52%, 43%), hexachlorobutadiene (43%, 39%), p-isopropyltoluene (60%, 62%), naphthalene (16%, 14%), acrylonitrile (64%, 53%), n-propylbenzene (62%, 65%), 1,2,3-trichlorobenzene (17%, 15%), 1,2,4-trichlorobenzene (18%, 16%), 1,3,5-trimethylbenzene (62%, 62%), 1,2,4-trimethylbenzene (57%, 54%), p-diethylbenzene (52%, 52%), p-ethyltoluene (60%, 61%), 1,2,4,5-tetramethylbenzene (42%, 37%), and trans-1,4-dichloro-2-butene (29%, 23%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

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The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited RPDs above the control limit for trans-1,3-dichloropropene (34%) and vinyl acetate (43%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

The MS/MSD performed on sample 062_LSB-38_2.0-4.0 exhibited percent recoveries below the LCL for the MS and/or MSD for 1,2-dichlorobenzene (MSD = 63%), 1,3-dichlorobenzene (MSD = 64%), 1,4-dichlorobenzene (MSD = 60%), vinyl acetate (58%, 46%), n-butylbenzene (MSD = 60%), p-chlorotoluene (MSD = 68%), hexachlorobutadiene (55%, 47%), naphthalene (MSD = 57%), 1,2,3-trichlorobenzene (62%, 41%), 1,2,4-trichlorobenzene (63%, 42%), p-diethylbenzene (MSD = 64%), and 1,2,4,5-tetramethylbenzene (MSD = 58%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

The sample 042_LSB-50_9.5-11.5 exhibited a percent recovery below the LCL for the internal standard 1,4-dichlorobenzene-d4 (26.71%). This internal standard is associated with a non-reportable confirmation run. No qualifications are required.

The sample 065_LSB-39_1.0-3.0 exhibited a percent recovery below the LCL for the internal standard 1,4-dichlorobenzene-d4 (28.77%). This internal standard is associated with a non-reportable confirmation run. No qualifications are required.

The ICAL for instrument VOA123 exhibited a RF below the control limit for 1,4-dioxane (0.003%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 8/31/2020 at 18:02 exhibited a RF below the control limit for 1,4-dioxane (0.00176). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/2/2020 at 14:05 exhibited a %D above the control limit for 2-hexanone (20.8%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/3/2020 at 05:41 exhibited a RF below the control limit for 1,4-dioxane (0.00175). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/3/2020 at 16:53 exhibited a RF below the control limit for 1,4-dioxane (0.00182). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/3/2020 at 16:53 exhibited a %D above the control limit for 1,4-dioxane (-22.1%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 9/4/2020 at 11:29 exhibited a RF below the control limit for 1,4-dioxane (0.00192). The associated results were previously qualified. No further action is necessary.

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The CCV analyzed on 9/10/2020 at 07:56 exhibited a RF below the control limit for 1,4-dioxane (0.00171). The associated results were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

The FB (034_FB_08272020) exhibited detections of 2-methylnaphthalene (0.03 ug/L), benzo(a)anthracene (0.03 ug/L), benzo(b)fluoranthene (0.03 ug/L), benzo(ghi)perylene (0.02 ug/L), benzo(k)fluoranthene (0.02 ug/L), chrysene (0.02 ug/L), dibenzo(a,h)anthracene (0.02 ug/L), indeno(1,2,3-cd)pyrene (0.03 ug/L), and naphthalene (0.06 ug/L). The associated samples were not analyzed by SVOC SIM analysis. No qualification is necessary.

The MB for batch WG1404939 exhibited detections of bis(2-ethylhexyl)phthalate (2.1 ug/L) and di-n-butylphthalate (0.49 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1405864 exhibited a detection of phenanthrene (0.04 ug/L). The associated results are non-detections. No qualification is necessary.

The sample 033_LSB-49_9.5-11.5 exhibited a percent recovery below the LCL for the surrogate 2-fluorophenol (22%). The other 033_LSB-49_9.5-11.5 surrogates were recovered within the control limits. No qualification is necessary.

The sample 051_LSB-37_12.0-14.0 exhibited percent recoveries below the LCL for the surrogates 2,4,6-tribromophenol (0%), 2-fluorobiphenyl (0%), 2-fluorophenol (0%), 4-terphenyl-d14 (0%), nitrobenzene-d5 (0%), and phenol-d6 (0%). The sample was diluted >10X. No qualification is necessary.

The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited percent recoveries below the LCL for 3,3'-dichlorobenzidine (10%, 14%), hexachlorocyclopentadiene (0%), 2,4-dinitrophenol (0%), 4,6-dinitro-o-cresol (0%), and benzoic acid (0%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

The MS/MSD performed on sample 062_LSB-38_2.0-4.0 exhibited percent recoveries below the LCL for 3,3'-dichlorobenzidine (31%), fluoranthene (0%), hexachlorocyclopentadiene (0%), hexachloroethane (%, 37%), benzo(a)anthracene (0%), benzo(a)pyrene (0%), benzo(b)fluoranthene (0%), benzo(k)fluoranthene (0%), chrysene (0%), acenaphthylene (0%), anthracene (0%), benzo(ghi)perylene (0%), fluorene (7%, 20%), phenanthrene (0%), dibenzo(a,h)anthracene (0%), indeno(1,2,3-cd)pyrene (0%), pyrene (0%), 2,4-dinitrophenol (%, 4,6-dinitro-o-cresol (8%), and 1,4-dioxane (35%, 34%). Organic results are not qualified on the basis of MS/MSDs alone. No qualification is necessary.

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PFAS by USEPA Method 537M

The sample 037_LSB-43_2.5-4.5 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (191%). The associated results are non-detections. No qualification is necessary.

The sample 040_LSB-42_1.5-3.5 exhibited percent recoveries above the UCL for the isotope dilution standards 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (586%), 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (529%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (170%), and n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (164%). The associated results are non-detections. No qualification is necessary.

The sample 041_LSB-42_12.0-14.0 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (202%). The associated results are non-detections. No qualification is necessary.

The sample 047_LSB-41_4.0-6.0 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (278%). The associated results are non-detections. No qualification is necessary.

The LCS/LCSD for batch WG1406585 exhibited a RPD above the control limit for perfluorooctanesulfonamide (48%). The associated results were previously qualified. No further action is necessary.

Herbicides by SW-846 Method 8151A

The sample 040_LSB-42_1.5-3.5 exhibited a percent recovery below the LCL for the surrogate DCAA (22%). The sample was diluted >10X. No qualification is necessary.

PCBs by SW-846 Method 8082A

The MB for batch WG1404888 exhibited detections of Aroclor 1260 (0.035 ug/L) and PCBs, total (0.035 ug/L). The associated results are non-detections. No qualification is necessary.

Pesticides by SW-846 Method 8081B

The sample 031_LSB-44_12.0-14.0 exhibited a percent recovery above the UCL for the surrogate 2,4,5,6-tetrachloro-m-xylene (1120%). The associated results are non-detections. No qualification is necessary.

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The sample 032_DUP-1 exhibited a percent recovery above the UCL for the surrogate 2,4,5,6-tetrachloro-m-xylene (3570%). The associated results are non-detections. No qualification is necessary.

The sample 038_LSB-43_12.0-14.0 exhibited percent recoveries above the UCL for the surrogates 2,4,5,6-tetrachloro-m-xylene (36000%) and decachlorobiphenyl (883%). The sample was diluted >10X. No qualification is necessary.

The sample 041_LSB-42_12.0-14.0 exhibited percent recoveries above the UCL for the surrogates 2,4,5,6-tetrachloro-m-xylene (34700%) and decachlorobiphenyl (3120%). The sample was diluted >10X. No qualification is necessary.

The sample 054_LSB-40_12.0-14.0 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (347%). The associated results are non-detections. No qualification is necessary.

The sample 066_LSB-39_12.0-14.0 exhibited a percent recovery above the UCL for the surrogate 2,4,5,6-tetrachloro-m-xylene (1170%). This surrogate has been marked non-reportable by the laboratory. No qualification is necessary.

Metals by SW-846 Method 6010D

The MB for batch WG1404915 exhibited detections of chromium, total (0.088 mg/kg), iron, total (1.08 mg/kg), manganese, total (0.12 mg/kg), and nickel, total (0.16 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch WG1405382 exhibited detections of iron, total (0.968 mg/kg), manganese, total (0.064 mg/kg), and potassium, total (7.11 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch WG1405865 exhibited detections of aluminum, total (1.36 mg/kg), iron, total (0.56 mg/kg), and sodium, total (9.06 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited MS and/or MSD percent recoveries outside of the control limits for aluminum, total (257%), calcium, total (%), chromium, total (0%), copper, total (0%, 518%), iron, total (0%, 3770%), lead, total (73%, 372%), magnesium, total (64%, 59%), manganese, total (159%, 169%), and zinc, total (54%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

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The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited RPDs above the control limit for copper, total (54%), iron, total (28%), and lead, total (45%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS/MSD performed on sample 062_LSB-38_2.0-4.0 exhibited percent recoveries for the MS and/or the MSD for aluminum, total (52%), calcium, total (254%, 150%), iron, total (0%), lead, total (%), 53%), and manganese, total (%), 9%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Mercury by SW-846 Method 7471B

The MS/MSD performed on sample 047_LSB-41_4.0-6.0 exhibited a RPD above the control limit for mercury, total (26%). The associated results were previously qualified. No further action is necessary.

COMMENTS:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 2X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 032_DUP-1 and 031_LSB-44_12.0-14.0
- 067_DUP-2 and 065_LSB-39_1.0-3.0

The field duplicate and parent sample (031_LSB-44_12.0-14.0 and 032_DUP-1) exhibited RPDs above the control limit for total calcium (58.6%), total copper (140.4%), fluoranthene (133.9%), total lead (66%), total mercury (91.3%), phenanthrene (138.3%), pyrene (135.3%), and total zinc (143.4%). The associated results are qualified as "J" based on potential indeterminate bias.

The field duplicate and parent sample (065_LSB-39_1.0-3.0 and 067_DUP-2) exhibited RPDs above the control limit for 4,4'-DDD (156.7%), acenaphthylene (166.2%), benzo(a)anthracene (60%), benzo(a)pyrene (76.9%), benzo(b)fluoranthene (83.6%), benzo(ghi)perylene (91.8%), benzo(k)fluoranthene (62%), total calcium (53.5%), total chromium (64.6%), trivalent chromium (63.2%), chrysene (73.7%), dibenzo(a,h)anthracene (89.2%), indeno(1,2,3-cd)pyrene (87.4%), total mercury (81.2%), total nickel (62.9%), perfluorodecanoic acid (50.1%), pyrene (61.3%), total vanadium (59%), and total zinc (120.4%). The associated results are qualified as "J" based on potential indeterminate bias.

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For 280 West 155th Street Development
August and September Soil Samples
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September 24, 2020 Page 48 of 48

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Allyson Kritzer, Langan Senior Staff Engineer
From: Joe Conboy, Langan Staff Chemist
Date: September 28, 2020
Re: Data Usability Summary Report
For 280 West 155th Street Development
September Soil Vapor Samples
Langan Project No.: 100765102

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in September 2020 by Langan Engineering and Environmental Services (“Langan”) at the 280 West 155th Street Development site (“the site”). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|------------------------------|
| L2038163 | L2038163-01 | 085_AMBIENT-1 | 9/14/2020 | VOCs |
| L2038163 | L2038163-02 | 086_LSV-13 | 9/14/2020 | VOCs |
| L2038163 | L2038163-03 | 087_DUP-1 | 9/14/2020 | VOCs |
| L2038163 | L2038163-04 | 088_LSV-18 | 9/14/2020 | VOCs |
| L2038163 | L2038163-05 | 089_LSV-17 | 9/14/2020 | VOCs |
| L2038163 | L2038163-06 | 090_LSV-12 | 9/14/2020 | VOCs |
| L2038163 | L2038163-07 | 091_LSV-11 | 9/14/2020 | VOCs |
| L2038163 | L2038163-08 | 092_LSV-8 | 9/14/2020 | VOCs |
| L2038163 | L2038163-09 | 093_LSV-7 | 9/14/2020 | VOCs |
| L2038163 | L2038163-10 | 094_LSV-16 | 9/14/2020 | VOCs |
| L2038163 | L2038163-11 | 095_AMBIENT-2 | 9/15/2020 | VOCs |

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Data Usability Summary Report
For 280 West 155th Street Development
September Soil Vapor Samples
Langan Project No.: 100765102
September 28, 2020 Page 2 of 5

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|------------------------------|
| L2038163 | L2038163-12 | 096_LSV-14 | 9/15/2020 | VOCs |
| L2038163 | L2038163-13 | 097_LSV-5 | 9/15/2020 | VOCs |
| L2038163 | L2038163-14 | 098_LSV-15 | 9/15/2020 | VOCs |
| L2038163 | L2038163-15 | 099_LSV-6 | 9/15/2020 | VOCs |
| L2038163 | L2038163-16 | 100_LSV-9 | 9/15/2020 | VOCs |
| L2038163 | L2038163-17 | 101_LSV-10 | 9/15/2020 | VOCs |

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, internal standard area counts, target compound identification and quantification, chromatograms, and overall system performance.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-----------------|----------------------------|
| 085_AMBIENT-1 | TO15 | 67-64-1 | ACETONE | J |
| 085_AMBIENT-1 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 086_LSV-13 | TO15 | 67-64-1 | ACETONE | J |
| 086_LSV-13 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 087_DUP-1 | TO15 | 67-64-1 | ACETONE | J |
| 087_DUP-1 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 088_LSV-18 | TO15 | 67-64-1 | ACETONE | J |
| 088_LSV-18 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 089_LSV-17 | TO15 | 67-64-1 | ACETONE | J |
| 089_LSV-17 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 090_LSV-12 | TO15 | 67-64-1 | ACETONE | J |
| 090_LSV-12 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 091_LSV-11 | TO15 | 67-64-1 | ACETONE | UJ |
| 091_LSV-11 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 092_LSV-8 | TO15 | 67-64-1 | ACETONE | J |
| 092_LSV-8 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 093_LSV-7 | TO15 | 67-64-1 | ACETONE | J |
| 093_LSV-7 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 094_LSV-16 | TO15 | 67-64-1 | ACETONE | J |
| 094_LSV-16 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 095_AMBIENT-2 | TO15 | 67-64-1 | ACETONE | J |
| 095_AMBIENT-2 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 096_LSV-14 | TO15 | 67-64-1 | ACETONE | J |
| 096_LSV-14 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |

Technical Memorandum

Data Usability Summary Report
For 280 West 155th Street Development
September Soil Vapor Samples
Langan Project No.: 100765102
September 28, 2020 Page 4 of 5

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|------------------|----------------------------|
| 097_LSV-5 | TO15 | 67-64-1 | ACETONE | J |
| 097_LSV-5 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 098_LSV-15 | TO15 | 67-64-1 | ACETONE | UJ |
| 098_LSV-15 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 099_LSV-6 | TO15 | 67-64-1 | ACETONE | J |
| 099_LSV-6 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 100_LSV-9 | TO15 | 67-64-1 | ACETONE | J |
| 100_LSV-9 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 101_LSV-10 | TO15 | 67-64-1 | ACETONE | J |
| 101_LSV-10 | TO15 | 100-44-7 | BENZYL CHLORIDE | UJ |
| 086_LSV-13 | TO15 | 75.15-0 | CARBON DISULFIDE | J |
| 087_DUP-1 | TO15 | 75.15-0 | CARBON DISULFIDE | J |

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

L2038163

The initial calibration for instrument AIRPIANO3 exhibited a relative standard deviation above the control limit for acetone (30.44%) and benzyl chloride (31.52%). The associated results in sample 085_AMBIENT-1, 086_LSV-13, 087_DUP-1, 088_LSV-18, 089_LSV-17, 090_LSV-12, 091_LSV-11, 092_LSV-8, 093_LSV-7, 094_LSV-16, 095_AMBIENT-2, 096_LSV-14, 097_LSV-5, 098_LSV-15, 099_LSV-6, 100_LSV-9, and 101_LSV-10 are qualified as "J" or "UJ" based on potential indeterminate bias.

Technical Memorandum

Data Usability Summary Report
For 280 West 155th Street Development
September Soil Vapor Samples
Langan Project No.: 100765102
September 28, 2020 Page 5 of 5

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by USEPA Method TO-15:

L2038163

The continuing calibration verification analyzed on 9/21/2020 at 11:32 exhibited a percent difference above the control limit for benzyl chloride (-35.8%). The associated results were previously qualified. No further action is necessary.

COMMENTS:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 1X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for vapor. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 086_LSV-13 and 087_DUP-1

The field duplicate and parent sample (086_LSV-13 and 087_DUP-1) exhibited a relative percent difference (RPD) above the control limit for carbon disulfide (34.9%). The associated results are qualified as "J" based on potential indeterminate bias.

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

1818 Market Street, Suite 3300 Philadelphia, PA 19103 T: 215.845.8900 F: 215.845.8901
Mailing Address: 1818 Market Street, Suite 3300 Philadelphia, PA 19103

To: Allyson Kritzer, Langan Senior Staff Engineer

From: Joe Conboy, Langan Staff Chemist

Date: March 18, 2021

Re: Data Usability Summary Report
For 280 West 155th Street
February 2021 Groundwater Samples
Langan Project No.: 100765102

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of groundwater samples collected in February 2021 by Langan Engineering and Environmental Services ("Langan") at the 280 West 155th Street site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for select ion method (SIM) semivolatile organic compounds (SVOCs) by the method specified below.

- SVOCs by SW-846 Method 8270D SIM

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, overall system performance, field duplicate, and field blank sample results.

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Data Usability Summary Report
For 280 West 155th Street
February 2021 Groundwater Samples
Langan Project No.: 1
March 18, 2021 Page 2 of 3

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified and listed in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

FIELD DUPLICATE:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less

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Data Usability Summary Report
For 280 West 155th Street
February 2021 Groundwater Samples
Langan Project No.: 1
March 18, 2021 Page 3 of 3

than $\pm 1X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 112_LMW-9 and 115_DUP-2
- 113_LMW-9 (DISSOLVED) and 116_DUP-2 (DISSOLVED)

The field duplicate and parent sample (113_LMW-9 (DISSOLVED) and 116_DUP-2 (DISSOLVED)) exhibited RPDs above the control limit for benzo(a)anthracene (133.3%), benzo(b)fluoranthene (133.3%), and phenanthrene (133.3%). The associated results are qualified as "J" or "UJ" based on potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified, with the exception of the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Staff Chemist

APPENDIX G

Daily Reports

DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|------------|---|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | Bright Sun | X |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | >85 | X |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 08/27/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 14:30 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)
AARCO: Nick Turro, Jose Romeo
Hager-Richter: Alexis Martinez, Amanda Fabian, Justin Covert

Site Activities

- Langan mobilized to the site with Hager-Richter Geoscience, Inc. (Hager-Richter) the geophysical survey contractor and AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- Hager-Richter performed a geophysical survey to investigate for subsurface structures and to clear boring locations and utilities within the eastern portion of the site.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-44, LSB-49, and LSB-52 to a depth of 15 feet below ground surface (bgs). Groundwater monitoring well LMW-6 was installed to a depth of 15 ft bgs within LSB-52 and LMW-7 was installed to a depth of 13 ft bgs.
- AARCO developed LMW-6 and LMW-7 using a submersible pump and surging method across the screened interval.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID | Depth (ft bgs) |
|----------------------|----------------|
| 030_LSB-44_3.0-5.0 | 3.0 – 5.0 |
| 031_LSB-44_12.0-14.0 | 12.0 – 14.0 |
| 032_DUP-1 (LSB-44) | 12.0 – 14.0 |

- The following soil samples were collected and submitted to the laboratory to be analyzed for VOCs, SVOCs, and PCBs:

| Sample ID | Depth (ft bgs) |
|---------------------|----------------|
| 033_LSB-49_9.5-11.5 | 9.5 – 11.5 |
| 035_LSB-52_9.5-11.5 | 9.5 – 11.5 |

- The sample collected from LSB-49 placed on hold pending receipt of analytical results for LSB-52.
- Field Blank 034_FB_08272020 was collected for analysis of VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, 1,4-dioxane, and PFAS.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day



















- Continue geophysical survey to investigate for subsurface structures and around proposed boring, monitoring well, and soil vapor locations; and,
- Drilling at boring, monitoring well, and soil vapor locations.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

-  Site Wide Investigation Soil Boring Location
-  Site Wide Investigation Soil Boring/Monitoring Well Location
-  Site Wide Investigation Soil Vapor/Monitoring Well Location
-  Site Wide Investigation Soil Vapor Sampling Location
-  Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
-  NAPL Delineation Soil Boring Location
-  NAPL Delineation Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring Location
-  NAPL Delineation Soil Boring/Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
-  AOC-1
-  AOC-2
-  AOC-1/AOC-2
-  Proposed Building Footprint
-  Approximate Site Boundary
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station
-  Work Area

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – AARCO installing LMW-7, facing southwest.



Photo 2 – Hager-Richter performing geophysical survey in the eastern portion of the site, facing southwest.



Photo 3 – Installation of manhole cover at LMW-6, facing southwest.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|------------|---|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | Bright Sun | X |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | >85 | X |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 08/27/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 14:45 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)
AARCO: Nick Turro, William Romeo
Hager-Richter: Alexis Martinez, Amanda Fabian

Site Activities

- Langan mobilized to the site with Hager-Richter Geoscience, Inc. (Hager-Richter) the geophysical survey contractor and AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- Hager-Richter performed a geophysical survey to investigate for subsurface structures and to clear boring locations and utilities within the northern and western portion of the site.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-42, LSB-43, LSB-48, LSB-50, LSB-53, and LSB-54 to a depth of 15 feet below ground surface (bgs). Soil vapor monitoring point LSV-12 was installed to 8 feet bgs (depth to water at 9 feet bgs), LSB-8 was installed to 7 feet bgs (depth to water at 8 feet bgs), LSV-11 and LSV-17 were installed to 7.5 feet bgs (depth to water at 8.5 feet bgs), LSV-18 was installed to 4 feet bgs (moisture observed at 5 feet bgs and depth to water at 6 feet bgs), and LSV-13 and LSV-15 were installed to 3 feet bgs (moisture observed at 4 feet bgs and depth to water at 7 feet bgs).

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID | Depth (ft bgs) |
|----------------------|----------------|
| 037_LSB-43_2.5-4.5 | 2.5 – 4.5 |
| 038_LSB-43_12.0-14.0 | 12.0 – 14.0 |
| 040_LSB-42_1.5-3.5 | 1.5 – 3.5 |
| 041_LSB-42_12.0-14.0 | 12.0 – 14.0 |

- The following soil samples were collected and submitted to the laboratory to be analyzed for VOCs, SVOCs, and PCBs:

| Sample ID | Depth (ft bgs) |
|---------------------|----------------|
| 039_LSB-48_8.0-10.0 | 8.0 – 10.0 |
| 042_LSB-50_9.5-11.5 | 9.5 – 11.5 |
| 043_LSB-53_9.5-11.5 | 9.5 – 11.5 |
| 044_LSB-42_7.5-9.5 | 7.5 – 9.5 |
| 045_LSB-54_9.5-11.5 | 9.5 – 11.5 |

- The sample collected from LSB-50 and LSB-53 were placed on hold pending receipt of analytical results for LSB-54. The sample collected from LSB-42 was also placed on hold.
- Trip Blank 046_TB_08282020 was collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- Continue geophysical survey to investigate for subsurface structures and around proposed boring, monitoring well, and soil vapor locations; and,
- Drilling at boring, monitoring well, and soil vapor locations.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – AARCO drilling at LSV-15, facing southeast.



Photo 2 – Hager-Richter performing geophysical survey in the western portion of the site, facing north.



Photo 3 – Hager-Richter performing geophysical survey in the northern portion of the site, facing north.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 08/31/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 14:45 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)
AARCO: Nick Turro, Jose Romeo
Hager-Richter: Alexis Martinez, Amanda Fabian

Site Activities

- Langan mobilized to the site with Hager-Richter Geoscience, Inc. (Hager-Richter) the geophysical survey contractor and AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- Hager-Richter performed a geophysical survey to investigate for subsurface structures and to clear boring locations and utilities within the southern and central portion of the site.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-37, LSB-40, LSB-41, LSB-45, LSB-46, and LSB-47 to a depth of 15 feet below ground surface (bgs). Soil vapor monitoring points LSV-7 was installed to 7 feet bgs (depth to water at 8 feet bgs), LSV-10 was installed to 6 feet bgs (depth to water at 7 feet bgs), and LSV-16 was installed to 3.5 feet bgs (moisture observed at 4.5 feet bgs and depth to water at 8 feet bgs).

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID | Depth (ft bgs) |
|----------------------|----------------|
| 047_LSB-41_4.0-6.0 | 4.0 – 6.0 |
| 048_LSB-41_12.0-14.0 | 12.0 – 14.0 |
| 050_LSB-37_1.0-3.0 | 1.0 – 3.0 |
| 051_LSB-37_12.0-14.0 | 12.0 – 14.0 |
| 053_LSB-40_1.0-3.0 | 1.0 – 3.0 |
| 054_LSB-40_12.0-14.0 | 12.0 – 14.0 |

- The following soil samples were collected and submitted to the laboratory to be analyzed for VOCs, SVOCs, and PCBs:

| Sample ID | Depth (ft bgs) |
|---------------------|----------------|
| 049_LSB-47_8.5-10.5 | 8.5 – 10.5 |
| 055_LSB-46_6.0-8.0 | 6.0 – 8.0 |
| 056_LSB-45_7.5-9.5 | 7.5 – 9.5 |
| 057_LSB-41_7.5-9.5 | 7.5 – 9.5 |
| 058_LSB-40_6.0-8.0 | 6.0 – 8.0 |

- Trip Blank 059_TB_08312020 was collected for analysis of VOCs.
- Field Blank 052_FB_08312020 was collected for analysis of VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, PFAS, and 1,4-dioxane.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- Continue geophysical survey to investigate for subsurface structures and around proposed boring, monitoring well, and soil vapor locations; and,
- Drilling at boring, monitoring well, and soil vapor locations.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

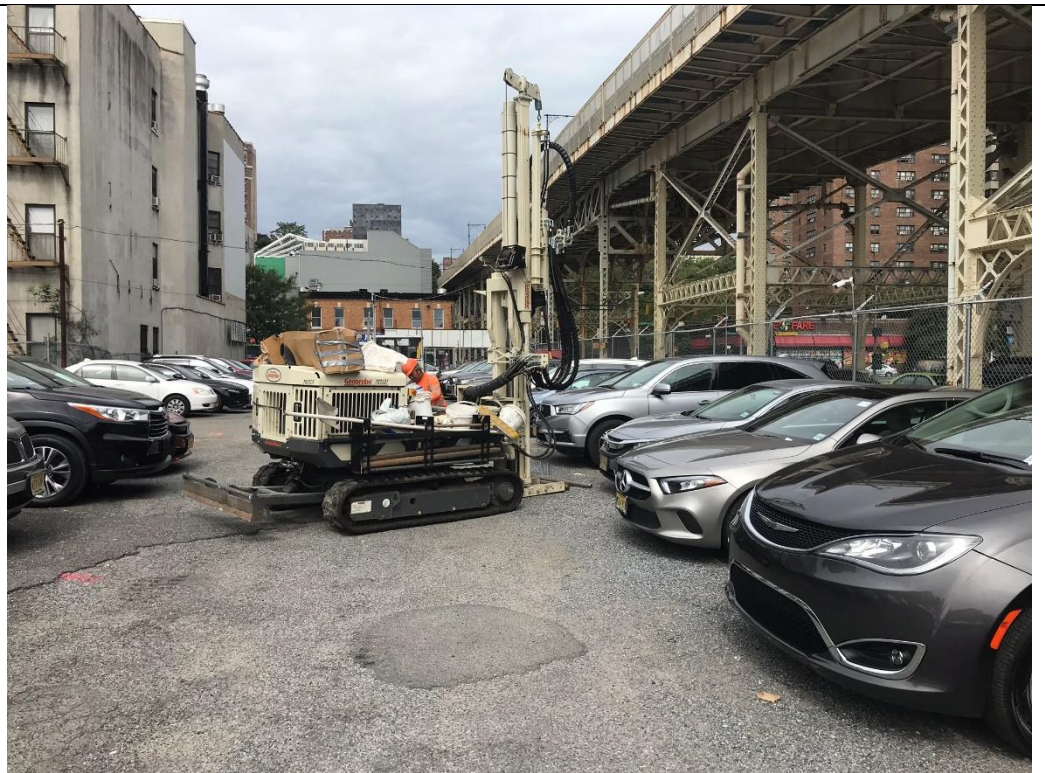
Photo 1 – AARCO installing LSV-16, facing west.



Photo 2 – Hager-Richter performing geophysical survey in the southern portion of the site, facing south.



Photo 3 – Drilling at LSB-37, facing north.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | | |
|---------|------|-------|----------|----------|---------------|----------|------------|
| WEATHER | Snow | Rain | X | Overcast | Partly Cloudy | X | Bright Sun |
| TEMP. | < 32 | 32-50 | | 50-70 | 70-85 | X | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/01/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 14:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)
AARCO: Nick Turro, Jose Romeo

Site Activities

- Langan mobilized to the site with AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-36 and LSB-38 to a depth of 15 feet below ground surface (bgs). Groundwater monitoring well LMW-8 was installed to a depth of 15 feet bgs within LSB-36, and LMW-9 was installed to a depth of 13 feet bgs. Soil vapor monitoring points LSV-6 was installed to 3.5 feet bgs (moisture observed at 4.5 feet bgs and depth to water at 7.4 feet bgs) and LSV-14 was installed to 4 feet bgs (moisture observed at 5 feet bgs and depth to water at 10 feet bgs).
- AARCO developed LMW-8 and LMW-9 (2-inch RI wells) using a submersible pump and surging method and LMW-3 (1-inch well previously installed at the Site) using a check-valve and surging method across the screened interval.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID | Depth (ft bgs) |
|----------------------|----------------|
| 060_LSB-36_1.0-3.0 | 1.0 – 3.0 |
| 061_LSB-36_12.0-14.0 | 12.0 – 14.0 |
| 062_LSB-38_2.0-4.0 | 2.0 – 4.0 |
| 063_LSB-38_12.0-14.0 | 12.0 – 14.0 |

- Trip Blank 059_TB_09012020 was collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

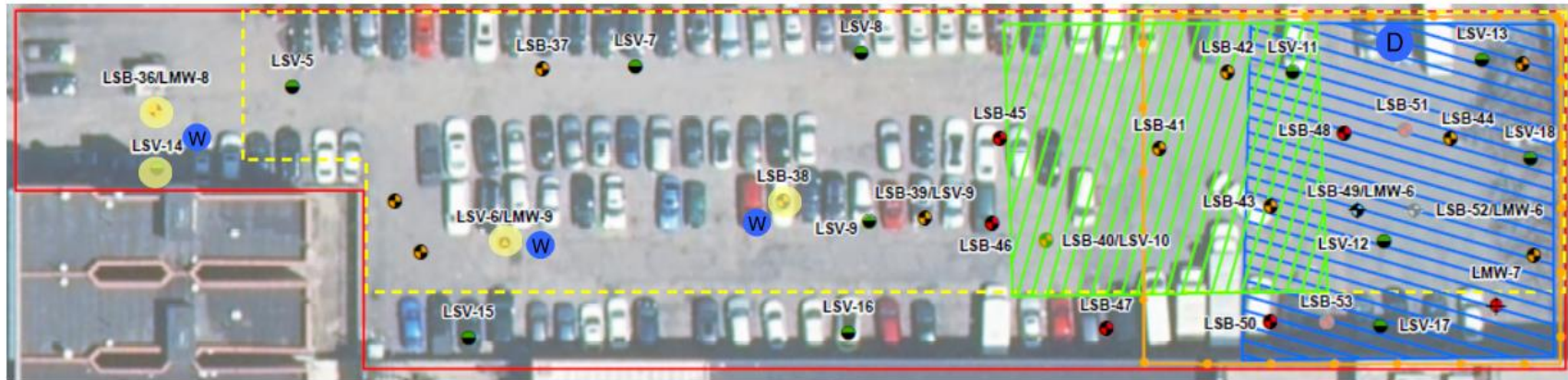
Problems Encountered

- None

Activities Scheduled for Next Day

- Continue geophysical survey to investigate for subsurface structures and around proposed boring, monitoring well, and soil vapor locations; and,
- Drilling at boring, monitoring well, and soil vapor locations.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – AARCO installing LMW-9, facing southwest.



Photo 2 – Well development of LMW-9, facing southeast.



Photo 3 – AARCO
installing LSV-14, facing
east.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | | |
|---------|------|-------|----------|----------|---------------|----------|------------|
| WEATHER | Snow | Rain | X | Overcast | Partly Cloudy | X | Bright Sun |
| TEMP. | < 32 | 32-50 | | 50-70 | 70-85 | X | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/02/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 13:30 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)
AARCO: Nick Turro, Jose Romeo

Site Activities

- Langan mobilized to the site with AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-39 to a depth of 15 feet below ground surface (bgs) and LSB-55, LSB-56, LSB-57, and LSB-58 to a depth of 12 feet bgs. LSB-55, LSB-56, LSB-57, and LSB-58 were installed for waste characterization purposes only. Soil vapor monitoring points LSV-5 was installed to 3.5 feet bgs (moisture observed at 4.5 feet bgs and depth to water at 9.5 feet bgs) and LSV-9 was installed to 3 feet bgs (moisture observed at 4 feet bgs and depth to water at 8 feet bgs).

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID | Depth (ft bgs) |
|--|----------------|
| 065_LSB-39_1.0-3.0 | 1.0 – 3.0 |
| 066_LSB-39_12.0-14.0 | 12.0 – 14.0 |
| 067_DUP-2 (Parent Sample 065_LSB-39_1.0-3.0) | 1.0 – 3.0 |

- Trip Blank 068_TB_09022020 was collected for analysis of VOCs.
- The following soil waste characterization samples were collected and submitted to the laboratory to be analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, extractable petroleum hydrocarbons (EPH) (spiked for fractionation), full toxicity characteristic leaching procedure (TCLP) and Resource Conservation and Recovery Act (RCRA) hazardous characteristics:

| Sample ID | Depth (ft bgs) |
|-----------|----------------|
| 069_WC-9 | 0.0 – 12.0 |
| 070_WC-10 | 0.0 – 12.0 |

- Field Blank 071_FB_09022020 was collected and submitted to the laboratory to be analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, and extractable petroleum hydrocarbons (EPH) (spiked for fractionation).
- Trip Blank 072_TB_09022020 was collected for analysis of VOCs associated with the waste characterization samples.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day



















- Groundwater sampling and soil vapor sampling to occur in approximately one week.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

-  Site Wide Investigation Soil Boring Location
-  Site Wide Investigation Soil Boring/Monitoring Well Location
-  Site Wide Investigation Soil Vapor/Monitoring Well Location
-  Site Wide Investigation Soil Vapor Sampling Location
-  Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
-  NAPL Delineation Soil Boring Location
-  NAPL Delineation Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring Location
-  NAPL Delineation Soil Boring/Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
-  AOC-1
-  AOC-2
-  AOC-1/AOC-2
-  Proposed Building Footprint
-  Approximate Site Boundary
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station
-  Work Area

NOTES

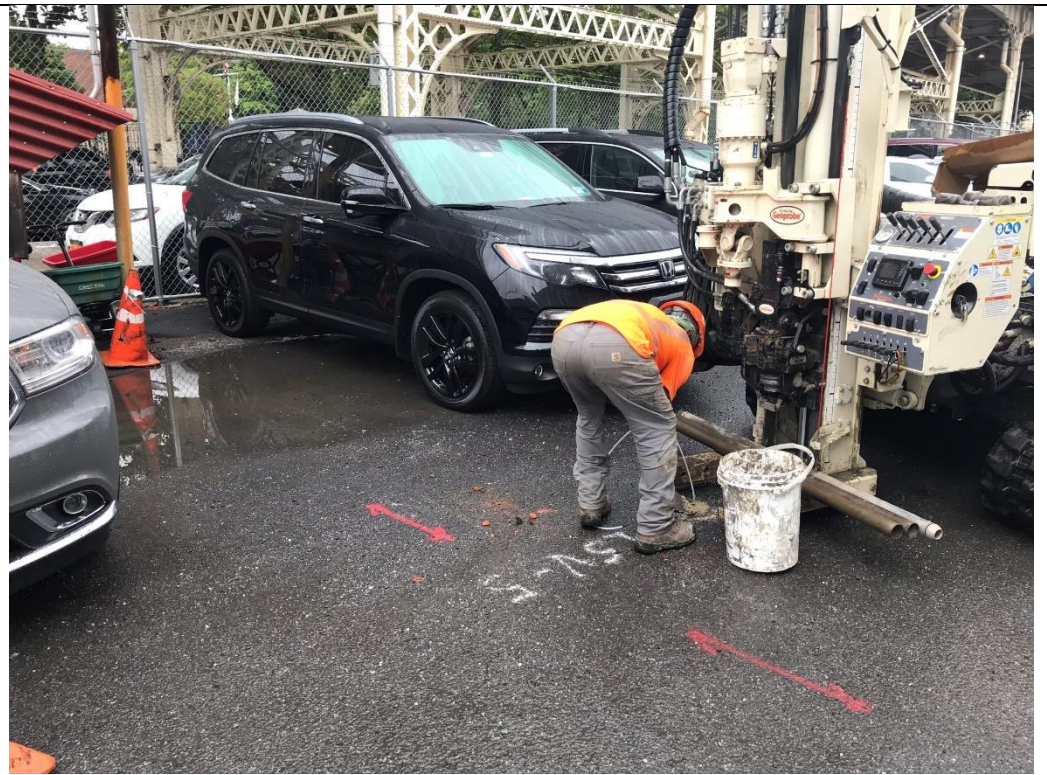
1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – AARCO drilling at LSB-57, facing north.



Photo 2 – AARCO installing LSV-5, facing northeast.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | | |
|---------|------|-------|----------|----------|---------------|----------|------------|
| WEATHER | Snow | Rain | X | Overcast | Partly Cloudy | X | Bright Sun |
| TEMP. | < 32 | 32-50 | | 50-70 | 70-85 | X | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/10/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 15:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)

Site Activities

- Langan conducted groundwater sampling at LMW-1, LMW-6, and LMW-7.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID |
|---------------------------------|
| 073_LMW-1 |
| 074_DUP-1 (Parent Sample LMW-1) |
| 075_LMW-6 |
| 076_LMW-7 |

- Field Blank 078_FB-1 was collected for analysis of VOCs, SVOCs, total and dissolved TAL metals, PCBs, pesticides, herbicides, hexavalent chromium, 1,4-dioxane, and PFAS.
- Trip Blank 079_TB-1 was collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as soil disturbance was not performed.

Problems Encountered

- None

Activities Scheduled for Next Day

- Groundwater sampling

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

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2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – Low flow groundwater purging at LMW-7, facing south.



Photo 2 – Collection of groundwater sample at LMW-1, facing south.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/11/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 16:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)

Site Activities

- Langan conducted groundwater sampling at LMW-3, LMW-4, LMW-8, and LMW-9.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

| Sample ID |
|--------------------|
| 080_LMW-9 (MS/MSD) |
| 081_LMW-4 |
| 082_LMW-8 |
| 083_LMW-3 |

- Trip Blank 084_TB-2 was collected for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as soil disturbance was not performed.

Problems Encountered

- None

Activities Scheduled for Next Day

- Soil vapor sampling

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

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4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – Low flow groundwater purging at LMW-9, facing south.



Photo 2 – Collection of groundwater sample at LMW-3, facing southeast.



LANGAN

DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/14/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 15:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)

Site Activities

- Langan conducted soil vapor sampling at LSV-7, LSV-8, LSV-11, LSV-12, LSV-13, LSV-16, LSV-17, and LSV-18.

Samples Collected

- The following soil vapor samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs):

| Sample ID |
|--------------------|
| 085_Ambient-1 |
| 086_LSV-13 |
| 087_DUP-1 (LSV-13) |
| 088_LSV-18 |
| 089_LSV-17 |
| 090_LSV-12 |
| 091_LSV-11 |
| 092_LSV-8 |
| 093_LSV-7 |
| 094_LSV-16 |

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as soil disturbance was not performed.

Problems Encountered

- None

Activities Scheduled for Next Day

- Soil vapor sampling

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

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4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – Helium testing at LSV-18, facing south.



Photo 2 – Collection of LSV-13 and DUP-1 soil vapor samples, facing east.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/15/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 15:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Molly Gutelius (Environmental)

Site Activities

- Langan conducted soil vapor sampling at LSV-7, LSV-8, LSV-11, LSV-12, LSV-13, LSV-16, LSV-17, and LSV-18.
- Langan conducted product sampling at LMW-2 and LMW-5.
- Langan collected soil and groundwater waste characterization samples. Samples were collected from investigation derived waste stored in 55-gallon drums. One drum of soil and one drum of groundwater remain onsite for future disposal.

Samples Collected

- The following soil vapor samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs):

| Sample ID |
|---------------|
| 095_Ambient-2 |
| 096_LSV-14 |
| 097_LSV-5 |
| 098_LSV-15 |
| 099_LSV-6 |
| 100_LSV-9 |
| 101_LSV-10 |

- The following product samples were collected and submitted to the laboratory to be analyzed for fingerprint analysis, boiling point, density, and viscosity:

| Sample ID |
|---------------|
| 077_Product-3 |
| 102_Product-4 |

- Groundwater waste characterization sample 103_GW_WC_09152020 was collected for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, extractable petroleum hydrocarbons (EPH) (spiked for fractionation), and Resource Conservation and Recovery Act (RCRA) hazardous characteristics.

- Soil waste characterization sample 104_S_WC_09152020 was collected for VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, cyanide, EPH (spiked for fractionation), RCRA hazardous characteristics, and full toxicity characteristic leaching procedure (TCLP).
- Trip Blank 105_TB_09152020 was collected for analysis of VOCs associated with the waste characterization sample.

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as soil disturbance was not performed.

Problems Encountered

- None

Activities Scheduled for Next Day

- None. RI work is completed.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

NOTES

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2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
4. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
5. AOC-3 encompasses the entire site footprint.
6. Soil boring locations LSB-37, LSB-38, LSB-39, LSB-40, LSB-41, LSB-42, LSB-43, and LSB-44 are collocated to LSB-30, LSB-25, LSB-34, LSB-27, LSB-24, LSB-28, LSB-32, and LSB-33, respectively, from the 2019 Phase II Investigation.
7. Soil boring locations LSB-51, LSB-52, and LSB-53 are contingent delineation soil boring locations that will be completed if NAPL is observed at soil boring locations LSB-48, LSB-49, and LSB-50.
8. Monitoring well LMW-6 will be installed at soil boring location LSB-52 if NAPL is present in soil boring location LSB-49.

Photo Log

Photo 1 – Helium testing at LSV-15, facing south.



Photo 2 – Collection of LSV-14 soil vapor sample, facing west.



LANGAN

DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/17/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 7:00 – 15:30 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Jagrat Jariwala (Geotechnical)
John Himmel Inc: Steve Howell

Site Activities

- John Himmel Inc excavated two test pits (TP3 and TP-4) for Langan to observe adjacent building foundation elements along the southern Site boundary. Test pits were moved from the proposed locations due to site accessibility as shown in the daily site map below. TP-3 was excavated to a depth of 10 feet below ground surface (bgs) and TP-4 was excavated to a depth of 9.5 feet bgs. Test pits were backfilled with excavated material in the order in which it was removed and the surface was restored with cold patch asphalt.

Samples Collected

- None

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- Continue test pit excavations

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location

- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

- Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Test Pit for Adjacent Building Foundation Conditions
- Contingent Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Soil Boring

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Excavation of TP-3, facing southwest.



Photo 2 – Excavation of TP-4, facing south.



DAILY STATUS REPORT

Prepared By: Allyson Kritzer

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/18/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 7:00 – 15:30 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Jagrat Jariwala (Geotechnical)
John Himmel Inc: Steve Howell

Site Activities

- John Himmel Inc excavated three test pits (TP-1, TP-2, and TP-4) for Langan to observe adjacent building foundation elements along the southern Site boundary and to observe groundwater levels. TP-4 was re-excavated for additional observations. TP-1 was excavated to a depth of 12 feet below ground surface (bgs), TP-2 was excavated to a depth of 3.5-feet bgs, and TP-4 was excavated to a depth of 8.5 feet bgs. Test pits were backfilled with excavated material in the order in which it was removed and the surface was restored with cold patch asphalt.
- Excess material generated from TP-1, TP-2, and TP-4 which could not be returned to the subsurface was staged in a small pile in the southeastern portion of the site and covered with plastic sheeting.

Samples Collected

- None

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- Excess soil will be covered with cold patch asphalt on Monday 9/21/2020. Geotechnical soil boring drilling will begin on 9/22/2020.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location

- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

- Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Test Pit for Adjacent Building Foundation Conditions
- Contingent Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Soil Boring

NOTES

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2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Excavation of TP-1, facing east.



Photo 2 – Surface restoration of TP-2 with cold patch asphalt, facing west.



LANGAN

DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|----------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | X | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | X | 70-85 | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/21/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 9:30 – 11:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Keval Gandhi (Geotechnical)
John Himmel Inc: Devin O'Neill, Eli Ramirez

Site Activities

- John Himmel Inc covered excess soil staged in the southeastern portion of the Site with cold patch asphalt.

Samples Collected

- None

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as soil disturbance was not performed.

Problems Encountered

- None

Activities Scheduled for Next Day



















- Geotechnical soil boring drilling





SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

-  Site Wide Investigation Soil Boring Location
-  Site Wide Investigation Soil Boring/Monitoring Well Location
-  Site Wide Investigation Soil Vapor/Monitoring Well Location
-  Site Wide Investigation Soil Vapor Sampling Location
-  Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
-  NAPL Delineation Soil Boring Location
-  NAPL Delineation Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring Location
-  NAPL Delineation Soil Boring/Monitoring Well Location
-  Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
-  AOC-1
-  AOC-2
-  AOC-1/AOC-2
-  Proposed Building Footprint
-  Approximate Site Boundary
-  Work Zone Air Monitoring Station
-  Downwind Perimeter Air Monitoring Station
-  Work Area

-  Geotechnical Test Pit for Groundwater Level Investigation
-  Geotechnical Test Pit for Adjacent Building Foundation Conditions
-  Contingent Geotechnical Test Pit for Groundwater Level Investigation
-  Geotechnical Soil Boring

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Cold patch asphalt surface restoration, facing west.



Photo 2 – Excess test pit material covered with cold patch asphalt, facing south.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|----------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | X | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | X | 70-85 | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/22/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 7:00 – 14:00 |

| | |
|--|---|
| <p>Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.</p> | <p>PERSONNEL ON SITE: Langan: Keval Gandhi (Geotechnical) Craig Geotechnical Drilling: Eric Delmier, Shane Frick</p> |
| <p><u>Site Activities</u></p> <ul style="list-style-type: none"> Langan mobilized to the site with Craig Geotechnical Drilling Co.,Inc, (Craig) for soil boring installation. Craig used a CME-55 truck mounted drill rig to advance soil boring LB-13 to a depth of 40-feet below ground surface (bgs) and LB-14 to a depth of 30-feet bgs. <p><u>Samples Collected</u></p> <ul style="list-style-type: none"> None <p><u>Community Air Monitoring Program (CAMP)</u></p> <ul style="list-style-type: none"> Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station. No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station. <p><u>Problems Encountered</u></p> <ul style="list-style-type: none"> None <p><u>Activities Scheduled for Next Day</u></p> <ul style="list-style-type: none"> Geotechnical soil boring drilling | |

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

- Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Test Pit for Adjacent Building Foundation Conditions
- Contingent Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Soil Boring

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Geotechnical drilling at LB-13, facing north.



Photo 2 – Split spoon samples from LB-13, facing north.



DAILY STATUS REPORT

Prepared By: Molly Gutelius

| | | | | | | |
|---------|------|-------|----------|---------------|-------------------------------------|------------|
| WEATHER | Snow | Rain | Overcast | Partly Cloudy | <input checked="" type="checkbox"/> | Bright Sun |
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | <input checked="" type="checkbox"/> | >85 |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 09/23/2020 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:30 – 13:15 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Keval Gandhi (Geotechnical)
Craig Geotechnical Drilling: Eric Delmier, Shane Frick

Site Activities

- Langan mobilized to the site with Craig Geotechnical Drilling Co., Inc, (Craig) for soil boring installation
- Craig used a CME-75 truck mounted drill rig to advance soil boring LB-14 to a depth of 113-feet below ground surface (bgs).

Samples Collected

- None

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- None. The additional geotechnical investigation is completed.

SITE MAP



| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location
- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Zone Air Monitoring Station
- Downwind Perimeter Air Monitoring Station
- Work Area

- Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Test Pit for Adjacent Building Foundation Conditions
- Contingent Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Soil Boring

NOTES

1. Aerial imagery provided by New York State ITS GIS Orthoimagery program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Rock core from LB-14, facing north.



Photo 2 – Surface restoration at LB-14, facing south.



DAILY STATUS REPORT

Prepared By: Samuel Haines

| | | | | | | | | | | |
|---------|------|--|-------|----------|----------|--|---------------|----------|------------|----------|
| WEATHER | Snow | | Rain | | Overcast | | Partly Cloudy | x | Bright Sun | x |
| TEMP. | < 32 | | 32-50 | x | 50-70 | | 70-85 | | >85 | |

| | | | | | |
|---------------------|-----------|----------|---|-------|--------------|
| Langan Project No: | 100765102 | Project: | 280 West 155 th Street Development | Date: | 02/26/2021 |
| NYSDEC BCP Site No: | C231138 | | | Time: | 6:45 – 16:00 |

Consultant:

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

PERSONNEL ON SITE:

Langan: Samuel Haines (Environmental), Molly Mattern (Environmental)

Site Activities

- Langan gauged all groundwater monitoring wells for presence of light non-aqueous phase liquid (LNAPL) using an oil/water interface probe prior to the commencement of the sampling event. LNAPL was detected in LMW-2 and LMW-5. LNAPL was highly viscous and a thickness measurement could not be obtained.
- Langan conducted low-flow groundwater sampling at LMW-1, LMW-3, LMW-4, LMW-6, LMW-7, LMW-8, and LMW-9 using a peristaltic pump. Samples were not collected from LMW-2 and LMW-5 due to the presence of LNAPL.

Samples Collected

- The following groundwater samples were collected and submitted to the laboratory to be analyzed for total polycyclic aromatic hydrocarbons (PAHs):

| Sample ID |
|-------------------|
| 106_LMW-4 |
| 109_LMW-8 |
| 112_LMW-9 |
| 115_Dup-2 |
| 118_LMW-3(MS/MSD) |
| 121_LMW-7 |
| 124_LMW-6 |
| 127_LMW-1 |

- The following groundwater samples were collected and submitted to the laboratory to be analyzed for dissolved PAHs:

| Sample ID |
|----------------------|
| 107_LMW-4(Dissolved) |
| 110_LMW-8(Dissolved) |
| 113_LMW-9(Dissolved) |
| 116_Dup-2(Dissolved) |
| 119_LMW-3(Dissolved) |
| 122_LMW-7(Dissolved) |
| 125_LMW-6(Dissolved) |
| 128_LMW-1(Dissolved) |

- Field blank 130_FB-02262021 was collected for total PAHs.

Community Air Monitoring Program (CAMP)

- Langan did not implement the CAMP as no soil disturbance occurred.

Problems Encountered

- None.

Activities Scheduled for Next Day

- None.

SITE MAP



Basemap take from “Figure 5 – Areas of Concern and Proposed Sample Location Plan” as presented in the RIWP.

| Area of Concern | Description |
|-----------------|---|
| AOC-1 | Petroleum Impacts from Historical Former Boiler Room |
| AOC-2 | Former Commercial Laundry |
| AOC-1/AOC-2 | Extents of potential former automotive repair operations and fuel storage |
| AOC-3 | Filled Land/Former Hudson River |

LEGEND

- Site Wide Investigation Soil Boring Location
- Site Wide Investigation Soil Boring/Monitoring Well Location
- Site Wide Investigation Soil Vapor/Monitoring Well Location
- Site Wide Investigation Soil Vapor Sampling Location
- Site Wide Investigation Soil Vapor/Soil Boring Sampling Location
- NAPL Delineation Soil Boring Location
- NAPL Delineation Monitoring Well Location
- Contingent NAPL Delineation Soil Boring Location
- NAPL Delineation Soil Boring/Monitoring Well Location
- Contingent NAPL Delineation Soil Boring/ Monitoring Well Location

- AOC-1
- AOC-2
- AOC-1/AOC-2
- Proposed Building Footprint
- Approximate Site Boundary
- Work Area

- Geotechnical Test Pit for Groundwater Level Investigation
- Geotechnical Test Pit for Adjacent Building Foundation Conditions
- Contingent Geotechnical Test Pit for Groundwater Level Investigation
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NOTES

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2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Proposed Building Footprint shown according to site plan SOE-004.00 prepared by JW Engineering Consulting, PC. as part of the support of excavation package dated 6 May 2020.
4. AOC-3 encompasses the entire site footprint.

Photo Log

Photo 1 – Site conditions, facing east.



Photo 2 – Groundwater low flow purging at LMW-7, facing north.



APPENDIX H

Historical Data and Boring Logs

2700 Kelly Road, Suite 200 Warrington, PA 18976 T: 215.491.6500 F: 215.491.6501
Mailing Address: P.O. Box 1569 Doylestown, PA 18901

To: Amanda Forsburg, Langan Senior Project Scientist
From: Emily Strake, Langan Senior Project Chemist
Date: June 10, 2019
Re: Data Usability Summary Report
For 280 W 155th St
June 2019 Groundwater Samples
Langan Project No.: 100765101

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of groundwater samples collected in June 2019 by Langan Engineering and Environmental Services (“Langan”) at the 280 W 155th St site (“the site”). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and total metals including mercury by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PCBs by SW-846 Method 8082A
- Metals by SW-846 Method 6020B
- Mercury by SW-846 Method 7470A

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|-------------------------------|
| L1923415 | L1923415-01 | 018/LMW-2 | 6/3/2019 | VOCs, SVOCs, Metals, Hg, PCBs |
| L1923415 | L1923415-02 | 019/LMW-1 | 6/3/2019 | VOCs, SVOCs, Metals, Hg |
| L1923415 | L1923415-03 | 020/LMW-3 | 6/3/2019 | VOCs, SVOCs, Metals, Hg, PCBs |
| L1923415 | L1923415-04 | 021/LMW-4 | 6/3/2019 | VOCs, SVOCs, Metals, Hg |
| L1923415 | L1923415-05 | 023/DUP-2 | 6/3/2019 | VOCs, SVOCs, Metals, Hg |
| L1923415 | L1923415-07 | 024/FB-2 | 6/3/2019 | VOCs, SVOCs, Metals, Hg, PCBs |

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Data Usability Summary Report
For 280 W 155th St
June 2019 Groundwater Samples
Langan Project No.: 100765101
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| <i>SDG</i> | <i>Lab Sample ID</i> | <i>Client Sample ID</i> | <i>Sample Date</i> | <i>Analytical Parameters</i> |
|-------------------|-----------------------------|--------------------------------|---------------------------|-------------------------------------|
| L1923415 | L1923415-08 | 029/TB-3 | 6/3/2019 | VOCs |

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-3b, "ICP-MS Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, field duplicates, field blank sample results, and overall system performance.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.

Technical Memorandum

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 018/LMW-2 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 018/LMW-2 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 018/LMW-2 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 018/LMW-2 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 018/LMW-2 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 018/LMW-2 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 018/LMW-2 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 018/LMW-2 | 8270DSIM | 91-57-6 | 2-METHYLNAPHTHALENE | U (0.1) |
| 018/LMW-2 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 018/LMW-2 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 018/LMW-2 | 8270DSIM | 208-96-8 | ACENAPHTHYLENE | J |
| 018/LMW-2 | 8260C | 67-64-1 | ACETONE | UJ |
| 018/LMW-2 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 018/LMW-2 | 8270DSIM | 120-12-7 | ANTHRACENE | U (0.1) |
| 018/LMW-2 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHTHALATE | UJ |
| 018/LMW-2 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 018/LMW-2 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 018/LMW-2 | 6020 | 7440-47-3 | CHROMIUM, TOTAL | U (0.00232) |
| 018/LMW-2 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 018/LMW-2 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |

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Data Usability Summary Report
For 280 W 155th St
June 2019 Groundwater Samples
Langan Project No.: 100765101
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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 018/LMW-2 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 018/LMW-2 | 8270D | 84-74-2 | DI-N-BUTYLPHTHALATE | UJ |
| 018/LMW-2 | 8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 018/LMW-2 | 8270DSIM | 206-44-0 | FLUORANTHENE | U (0.11) |
| 018/LMW-2 | 8270DSIM | 193-39-5 | INDENO(1,2,3-CD)PYRENE | J |
| 018/LMW-2 | 8270DSIM | 91-20-3 | NAPHTHALENE | U (0.1) |
| 018/LMW-2 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 018/LMW-2 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.1) |
| 018/LMW-2 | 8270DSIM | 129-00-0 | PYRENE | U (0.19) |
| 019/LMW-1 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 019/LMW-1 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 019/LMW-1 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 019/LMW-1 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 019/LMW-1 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 019/LMW-1 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 019/LMW-1 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 019/LMW-1 | 8270DSIM | 91-57-6 | 2-METHYLNAPHTHALENE | U (0.1) |
| 019/LMW-1 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 019/LMW-1 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 019/LMW-1 | 8260C | 67-64-1 | ACETONE | UJ |
| 019/LMW-1 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 019/LMW-1 | 8270DSIM | 205-99-2 | BENZO(B)FLUORANTHENE | U (0.1) |
| 019/LMW-1 | 8270DSIM | 207-08-9 | BENZO(K)FLUORANTHENE | U (0.1) |
| 019/LMW-1 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHTHALATE | UJ |
| 019/LMW-1 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 019/LMW-1 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 019/LMW-1 | 6020 | 7440-47-3 | CHROMIUM, TOTAL | U (0.001) |
| 019/LMW-1 | 8270DSIM | 218-01-9 | CHRYSENE | U (0.1) |
| 019/LMW-1 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 019/LMW-1 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 019/LMW-1 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 019/LMW-1 | 8270D | 84-74-2 | DI-N-BUTYLPHTHALATE | UJ |

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Data Usability Summary Report
 For 280 W 155th St
 June 2019 Groundwater Samples
 Langan Project No.: 100765101
 June 10, 2019 Page 5 of 12

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 019/LMW-1 | 8270D | 117-84-0 | DI-N-OCTYLPHthalate | UJ |
| 019/LMW-1 | 8270DSIM | 86-73-7 | FLUORENE | U (0.1) |
| 019/LMW-1 | 8270DSIM | 91-20-3 | NAPHTHALENE | U (0.1) |
| 019/LMW-1 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 019/LMW-1 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.1) |
| 020/LMW-3 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 020/LMW-3 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 020/LMW-3 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 020/LMW-3 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 020/LMW-3 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 020/LMW-3 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 020/LMW-3 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 020/LMW-3 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 020/LMW-3 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 020/LMW-3 | 8260C | 67-64-1 | ACETONE | UJ |
| 020/LMW-3 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 020/LMW-3 | 8270DSIM | 205-99-2 | BENZO(B)FLUORANTHENE | U (0.1) |
| 020/LMW-3 | 8270DSIM | 207-08-9 | BENZO(K)FLUORANTHENE | U (0.1) |
| 020/LMW-3 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHthalate | UJ |
| 020/LMW-3 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 020/LMW-3 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 020/LMW-3 | 6020 | 7440-47-3 | CHROMIUM, TOTAL | U (0.001) |
| 020/LMW-3 | 8270DSIM | 218-01-9 | CHRYSENE | U (0.1) |
| 020/LMW-3 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 020/LMW-3 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 020/LMW-3 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 020/LMW-3 | 8270D | 84-74-2 | DI-N-BUTYLPHthalate | UJ |
| 020/LMW-3 | 8270D | 117-84-0 | DI-N-OCTYLPHthalate | UJ |
| 020/LMW-3 | 8270DSIM | 86-73-7 | FLUORENE | U (0.1) |
| 020/LMW-3 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 020/LMW-3 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.1) |
| 021/LMW-4 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 021/LMW-4 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 021/LMW-4 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 021/LMW-4 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 021/LMW-4 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 021/LMW-4 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 021/LMW-4 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 021/LMW-4 | 8270DSIM | 91-57-6 | 2-METHYLNAPHTHALENE | U (0.1) |
| 021/LMW-4 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 021/LMW-4 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 021/LMW-4 | 8260C | 67-64-1 | ACETONE | UJ |
| 021/LMW-4 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 021/LMW-4 | 8270DSIM | 205-99-2 | BENZO(B)FLUORANTHENE | U (0.11) |
| 021/LMW-4 | 8270DSIM | 207-08-9 | BENZO(K)FLUORANTHENE | U (0.1) |
| 021/LMW-4 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHTHALATE | UJ |
| 021/LMW-4 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 021/LMW-4 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 021/LMW-4 | 6020 | 7440-47-3 | CHROMIUM, TOTAL | U (0.00105) |
| 021/LMW-4 | 8270DSIM | 218-01-9 | CHRYSENE | U (0.1) |
| 021/LMW-4 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 021/LMW-4 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 021/LMW-4 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 021/LMW-4 | 8270D | 84-74-2 | DI-N-BUTYLPHTHALATE | UJ |
| 021/LMW-4 | 8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 021/LMW-4 | 8270DSIM | 86-73-7 | FLUORENE | U (0.1) |
| 021/LMW-4 | 6020 | 7439-92-1 | LEAD, TOTAL | J |
| 021/LMW-4 | 8270DSIM | 91-20-3 | NAPHTHALENE | U (0.1) |
| 021/LMW-4 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 021/LMW-4 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.24) |
| 023/DUP-2 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 023/DUP-2 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 023/DUP-2 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 023/DUP-2 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 023/DUP-2 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 023/DUP-2 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 023/DUP-2 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 023/DUP-2 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 023/DUP-2 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 023/DUP-2 | 8270DSIM | 208-96-8 | ACENAPHTHYLENE | J |
| 023/DUP-2 | 8260C | 67-64-1 | ACETONE | UJ |
| 023/DUP-2 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 023/DUP-2 | 8270DSIM | 120-12-7 | ANTHRACENE | U (0.1) |
| 023/DUP-2 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHTHALATE | J |
| 023/DUP-2 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 023/DUP-2 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 023/DUP-2 | 6020 | 7440-47-3 | CHROMIUM, TOTAL | U (0.001) |
| 023/DUP-2 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 023/DUP-2 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 023/DUP-2 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 023/DUP-2 | 8270D | 84-74-2 | DI-N-BUTYLPHTHALATE | UJ |
| 023/DUP-2 | 8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 023/DUP-2 | 8270DSIM | 206-44-0 | FLUORANTHENE | U (0.2) |
| 023/DUP-2 | 8270DSIM | 193-39-5 | INDENO(1,2,3-CD)PYRENE | J |
| 023/DUP-2 | 6020 | 7439-92-1 | LEAD, TOTAL | J |
| 023/DUP-2 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 023/DUP-2 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.1) |
| 023/DUP-2 | 8270DSIM | 129-00-0 | PYRENE | U (0.12) |
| 024/FB-2 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 024/FB-2 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 024/FB-2 | 8270D | 95-95-4 | 2,4,5-TRICHLOROPHENOL | UJ |
| 024/FB-2 | 8270D | 105-67-9 | 2,4-DIMETHYLPHENOL | UJ |
| 024/FB-2 | 8270D | 121-14-2 | 2,4-DINITROTOLUENE | UJ |
| 024/FB-2 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 024/FB-2 | 8270DSIM | 91-58-7 | 2-CHLORONAPHTHALENE | U (0.2) |
| 024/FB-2 | 8260C | 591-78-6 | 2-HEXANONE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------------------|----------------------------|
| 024/FB-2 | 8270DSIM | 91-57-6 | 2-METHYLNAPHTHALENE | U (0.1) |
| 024/FB-2 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 024/FB-2 | 8270D | 100-01-6 | 4-NITROANILINE | UJ |
| 024/FB-2 | 8260C | 67-64-1 | ACETONE | UJ |
| 024/FB-2 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 024/FB-2 | 8270D | 117-81-7 | BIS(2-ETHYLHEXYL)PHTHALATE | UJ |
| 024/FB-2 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 024/FB-2 | 8270D | 85-68-7 | BUTYL BENZYL PHTHALATE | UJ |
| 024/FB-2 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 024/FB-2 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 024/FB-2 | 8270D | 131-11-3 | DIMETHYL PHTHALATE | UJ |
| 024/FB-2 | 8270D | 84-74-2 | DI-N-BUTYLPHTHALATE | UJ |
| 024/FB-2 | 8270D | 117-84-0 | DI-N-OCTYLPHTHALATE | UJ |
| 024/FB-2 | 8270DSIM | 87-86-5 | PENTACHLOROPHENOL | UJ |
| 024/FB-2 | 8270DSIM | 85-01-8 | PHENANTHRENE | U (0.1) |
| 029/TB-3 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 029/TB-3 | 8260C | 594-20-7 | 2,2-DICHLOROPROPANE | UJ |
| 029/TB-3 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 029/TB-3 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 029/TB-3 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 029/TB-3 | 8260C | 67-64-1 | ACETONE | UJ |
| 029/TB-3 | 8260C | 107-13-1 | ACRYLONITRILE | UJ |
| 029/TB-3 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 029/TB-3 | 8260C | 10061-01-5 | CIS-1,3-DICHLOROPROPENE | UJ |
| 029/TB-3 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

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MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C:

The initial calibration (ICAL) for instrument VOA122 exhibited response factors (RFs) below the control limit for acetone (0.032), acrylonitrile (0.042), 2-butanone (0.051), 1,4-dioxane (0.001), 4-methyl-2-pentanone (0.063), and 2-hexanone (0.097). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, 023/DUP-2, 024/FB-2, and 029/TB-3 are qualified as "UJ" based on potential indeterminate bias.

The initial calibration verification (ICV) analyzed on 5/8/2019 at 3:17 exhibited percent differences (%Ds) above the control limit for bromomethane (22.4%), 2,2-dichloropropane (21.3%), and cis-1,3-dichloropropene (20%). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, 023/DUP-2, 024/FB-2, and 029/TB-3 are qualified as "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 6/5/2019 at 7:17 exhibited a %D above the control limit for dichlorodifluoromethane (21.2%). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, 023/DUP-2, 024/FB-2, and 029/TB-3 are qualified as "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM:

The lab control sample and duplicate (LCS/LCSD) for batch WG1244256 exhibited a relative percent difference (RPD) above the control limit for 2,4,5-trichlorophenol (32%), 2,6-dinitrotoluene (32%), 4-nitroaniline (31%), bis(2-ethylhexyl)phthalate (34%), butyl benzyl phthalate (40%), di-n-butylphthalate (34%), di-n-octylphthalate (37%), and dimethyl phthalate (34%). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, 023/DUP-2, and 024/FB-2 are qualified as "J" or "UJ" based on potential indeterminate bias.

The CCV analyzed on 6/5/2019 at 23:54 exhibited a %D above the control limit for 2,4-dimethylphenol (35.2%). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, 023/DUP-2, and 024/FB-2 are qualified as "UJ" based on potential indeterminate bias.

The field blank (024/FB-2) exhibited a detection of fluorene (0.02 ug/L). The associated results samples 019/LMW-1, 020/LMW-3, and 021/LMW-4 are qualified as "U" at the reporting limit based on potential blank contamination.

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The method blank (MB) for batch WG1244259 exhibited a detection of 2-chloronaphthalene (0.05 ug/L). The associated results in sample 024/FB-2 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1244259 exhibited a detection of 2-methylnaphthalene (0.03 ug/L). The associated results samples 019/LMW-1, 021/LMW-4, and 024/FB-2 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1244259 exhibited detections of benzo(b)fluoranthene (0.02 ug/L), benzo(k)fluoranthene (0.01 ug/L), and chrysene (0.01 ug/L). The associated results samples 019/LMW-1, 020/LMW-3, and 021/LMW-4 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The MB for batch WG1244259 exhibited a detection of naphthalene (0.12 ug/L). The associated results samples 019/LMW-1 and 021/LMW-4 are qualified as "U" at the reporting limit based on potential blank contamination.

The MB for batch WG1244259 exhibited a detection of phenanthrene (0.07 ug/L). The associated results samples 019/LMW-1, 020/LMW-3, 021/LMW-4, and 024/FB-2 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The MB for batch WG1244796 exhibited detections of 2-methylnaphthalene (0.03 ug/L) and naphthalene (0.08 ug/L). The associated results in sample 018/LMW-2 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The MB for batch WG1244796 exhibited detections of anthracene (0.04 ug/L), fluoranthene (0.08 ug/L), phenanthrene (0.12 ug/L), and pyrene (0.05 ug/L). The associated results samples 018/LMW-2 and 023/DUP-2 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The LCS/LCSD for batch WG1244796 exhibited a RPD above the control limit for acenaphthylene (82%) and indeno(1,2,3-cd)pyrene (41%). The associated results samples 018/LMW-2 and 023/DUP-2 are qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 6/6/2019 at 9:33 exhibited a %D above the control limit for pentachlorophenol (20.5%). The associated results samples 018/LMW-2 and 023/DUP-2 are qualified as "UJ" based on potential indeterminate bias.

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Metals by SW-846 Method 60120B:

The field blank (024/FB-2) exhibited a detection of total chromium (0.00025 mg/L). The associated results samples 018/LMW-2, 019/LMW-1, 020/LMW-3, 021/LMW-4, and 023/DUP-2 are qualified as "U" at the higher of the sample concentration and the reporting limit based on potential blank contamination.

The field duplicate and parent sample (023/DUP-2 and 021/LMW-4) exhibited an absolute difference above the RL for total lead (0.00142 mg/L). The associated results are qualified as "J" based on potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

SVOCs by SW-846 Method 8270D and 8270D SIM:

The LCSD for batch WG1244256 exhibited a percent recovery above the upper control limit for 4-nitrophenol (82%). The associated results are non-detections. No qualification is necessary.

The field blank (024/FB-2) exhibited a detection of 2-chloronaphthalene (0.02 ug/L). The associated results are non-detections. No qualification is necessary.

The field blank (024/FB-2) exhibited detections of 2-methylnaphthalene (0.03 ug/L) and phenanthrene (0.04 ug/L). The associated results were previously qualified. No further action is necessary.

The MB for batch WG1244796 exhibited a detection of fluorene (0.02 ug/L). The associated results are greater than ten times the contamination. No qualification is necessary.

The field duplicate and parent sample (023/DUP-2 and 021/LMW-4) exhibited an absolute difference above the RL for phenanthrene (0.16 ug/L). The associated results were previously qualified. No further action is necessary.

Metals by SW-846 Method 6020B:

The field blank (024/FB-2) exhibited a detection of total barium (0.00132 mg/L). The associated results are greater than ten times the contamination. No qualification is necessary.

COMMENTS:

Field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less

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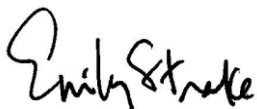
than $\pm 1X$ the RL. For results greater than $5X$ the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for groundwater. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 023/DUP-2 and 021/LMW-4

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Emily Strake, CEP
Senior Project Chemist

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To: Amanda Forsburg, Langan Senior Project Scientist
From: Emily Strake, Langan Senior Project Chemist
Date: June 10, 2019
Re: Data Usability Summary Report
For 280 W 155th St
May 2019 Soil Samples
Langan Project No.: 100765101

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of soil samples collected in May 2019 by Langan Engineering and Environmental Services ("Langan") at the 280 W 155th St site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total metals including mercury, and total solids (%S) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PCBs by SW-846 Method 8082A
- Metals by SW-846 Method 6010D
- Mercury by SW-846 Method 7471B
- Total Solids by Standard Method 2540G

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|-----------------------------------|
| L1922862 | L1922862-01 | 001/LSB-23 | 5/30/2019 | VOCs, SVOCs, Metals, Hg, %S |
| L1922862 | L1922862-02 | 002/LSB-24 | 5/30/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1922862 | L1922862-03 | 003/DUP-1 | 5/30/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1922862 | L1922862-04 | 004/LSB-25 | 5/30/2019 | VOCs, SVOCs, Metals, Hg, %S |

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| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|-----------------------------------|
| L1922862 | L1922862-05 | 005/LSB-26 | 5/30/2019 | VOCs, SVOCs, Metals, Hg, %S |
| L1922862 | L1922862-06 | 006/LSB-27 | 5/30/2019 | VOCs, SVOCs, Metals, Hg, %S |
| L1922862 | L1922862-07 | 007/TB-1 | 5/30/2019 | VOCs |
| L1923220 | L1923220-01 | 008/LSB-28 | 5/30/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-03 | 010/FB-1 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg |
| L1923220 | L1923220-04 | 011/TB-2 | 5/31/2019 | VOCs |
| L1923220 | L1923220-05 | 012/LSB-29 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-06 | 013/LSB-30 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-07 | 014/LSB-31 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-08 | 015/LSB-32 | 5/31/2019 | VOCs, SVOCs, Metals, Hg, %S |
| L1923220 | L1923220-09 | 016/LSB-33 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-10 | 017/LSB-34 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |
| L1923220 | L1923220-11 | 018/LSB-35 | 5/31/2019 | VOCs, SVOCs, PCBs, Metals, Hg, %S |

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-34A, "Trace Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-33A, "Low/Medium Volatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-35A, "Semivolatile Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-37A, "Polychlorinated Biphenyl (PCB) Aroclor Data Validation" (June 2015, Revision 0), USEPA Region II SOP #HW-3a, "ICP-AES Data Validation" (September 2016, Revision 1), USEPA Region II SOP #HW-3c, "Mercury and Cyanide Data Validation" (September 2016, Revision 1), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), the USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA-540-R-2017-001, January 2017) and the specifics of the methods employed.

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Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, sample extraction and digestion, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, matrix spike/spike duplicate recoveries, target compound identification and quantification, chromatograms, serial dilutions, dual column performance, field duplicates, field blank sample results, and overall system performance.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-------------------------|----------------------------|
| 001/LSB-23 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 001/LSB-23 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 001/LSB-23 | 8260C | 74-83-9 | BROMOMETHANE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-------------------------|----------------------------|
| 001/LSB-23 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 001/LSB-23 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 001/LSB-23 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 001/LSB-23 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 001/LSB-23 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 002/LSB-24 | 8082A | 1336-36-3 | PCBS, TOTAL | UJ |
| 002/LSB-24 | 7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 002/LSB-24 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 002/LSB-24 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 002/LSB-24 | 8260C | 74-83-9 | BROMOMETHANE | U (150) |
| 002/LSB-24 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 002/LSB-24 | 8082A | 11100-14-4 | AROCLOR 1268 | UJ |
| 002/LSB-24 | 8082A | 37324-23-5 | AROCLOR 1262 | UJ |
| 002/LSB-24 | 8082A | 11096-82-5 | AROCLOR 1260 | UJ |
| 002/LSB-24 | 8082A | 11097-69-1 | AROCLOR 1254 | UJ |
| 002/LSB-24 | 8082A | 12672-29-6 | AROCLOR 1248 | UJ |
| 002/LSB-24 | 8082A | 53469-21-9 | AROCLOR 1242 | UJ |
| 002/LSB-24 | 8082A | 11141-16-5 | AROCLOR 1232 | UJ |
| 002/LSB-24 | 8082A | 11104-28-2 | AROCLOR 1221 | UJ |
| 002/LSB-24 | 8082A | 12674-11-2 | AROCLOR 1016 | UJ |
| 002/LSB-24 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 002/LSB-24 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 002/LSB-24 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 002/LSB-24 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 003/DUP-1 | 7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 003/DUP-1 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 003/DUP-1 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 003/DUP-1 | 8260C | 74-83-9 | BROMOMETHANE | U (170) |
| 003/DUP-1 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 003/DUP-1 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 003/DUP-1 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 003/DUP-1 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |

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|-------------------------|-----------------|--------------|-----------------------------|----------------------------|
| 003/DUP-1 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 004/LSB-25 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 004/LSB-25 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 004/LSB-25 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 004/LSB-25 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 004/LSB-25 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 004/LSB-25 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 004/LSB-25 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 004/LSB-25 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 005/LSB-26 | 8270D | 108-95-2 | PHENOL | J |
| 005/LSB-26 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 005/LSB-26 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 005/LSB-26 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 005/LSB-26 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 005/LSB-26 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 005/LSB-26 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 005/LSB-26 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 005/LSB-26 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 006/LSB-27 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 006/LSB-27 | 8260C | 75-00-3 | CHLOROETHANE | UJ |
| 006/LSB-27 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 006/LSB-27 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 006/LSB-27 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 006/LSB-27 | 8260C | 591-78-6 | 2-HEXANONE | UJ |
| 006/LSB-27 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 006/LSB-27 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 007/TB-1 | 8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 007/TB-1 | 8260C | 91-20-3 | NAPHTHALENE | UJ |
| 007/TB-1 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 007/TB-1 | 8260C | 67-64-1 | ACETONE | J |
| 007/TB-1 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 007/TB-1 | 8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|-----------------------------|----------------------------|
| 007/TB-1 | 8260C | 120-82-1 | 1,2,4-TRICHLOROENZENE | UJ |
| 007/TB-1 | 8260C | 87-61-6 | 1,2,3-TRICHLOROENZENE | UJ |
| 008/LSB-28 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 008/LSB-28 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 008/LSB-28 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 008/LSB-28 | 8260C | 67-64-1 | ACETONE | J |
| 008/LSB-28 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 008/LSB-28 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 008/LSB-28 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 008/LSB-28 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 010/FB-1 | 8260C | 87-61-6 | 1,2,3-TRICHLOROENZENE | UJ |
| 010/FB-1 | 8260C | 120-82-1 | 1,2,4-TRICHLOROENZENE | UJ |
| 010/FB-1 | 8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 010/FB-1 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 010/FB-1 | 8260C | 67-64-1 | ACETONE | U (5.0) |
| 010/FB-1 | 8270D | 65-85-0 | BENZOIC ACID | UJ |
| 010/FB-1 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 010/FB-1 | 8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 010/FB-1 | 8260C | 91-20-3 | NAPHTHALENE | UJ |
| 010/FB-1 | 8260C | 95-49-8 | O-CHLOROTOLUENE | UJ |
| 010/FB-1 | 8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 011/TB-2 | 8260C | 87-61-6 | 1,2,3-TRICHLOROENZENE | UJ |
| 011/TB-2 | 8260C | 120-82-1 | 1,2,4-TRICHLOROENZENE | UJ |
| 011/TB-2 | 8260C | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE | UJ |
| 011/TB-2 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 011/TB-2 | 8260C | 67-64-1 | ACETONE | J |
| 011/TB-2 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 011/TB-2 | 8260C | 87-68-3 | HEXACHLOROBUTADIENE | UJ |
| 011/TB-2 | 8260C | 91-20-3 | NAPHTHALENE | UJ |
| 011/TB-2 | 8260C | 95-49-8 | O-CHLOROTOLUENE | UJ |
| 011/TB-2 | 8260C | 110-57-6 | TRANS-1,4-DICHLORO-2-BUTENE | UJ |
| 012/LSB-29 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |

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|-------------------------|-----------------|--------------|---------------------------|----------------------------|
| 012/LSB-29 | 8270D | 51-28-5 | 2,4-DINITROPHENOL | UJ |
| 012/LSB-29 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 012/LSB-29 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 012/LSB-29 | 8260C | 67-64-1 | ACETONE | UJ |
| 012/LSB-29 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 012/LSB-29 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 012/LSB-29 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 012/LSB-29 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 013/LSB-30 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 013/LSB-30 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 013/LSB-30 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 013/LSB-30 | 8260C | 67-64-1 | ACETONE | J |
| 013/LSB-30 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 013/LSB-30 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 013/LSB-30 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 013/LSB-30 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 013/LSB-30 | 8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 013/LSB-30 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 014/LSB-31 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 014/LSB-31 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 014/LSB-31 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 014/LSB-31 | 8260C | 67-64-1 | ACETONE | UJ |
| 014/LSB-31 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 014/LSB-31 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 014/LSB-31 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 014/LSB-31 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 014/LSB-31 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 015/LSB-32 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 015/LSB-32 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 015/LSB-32 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 015/LSB-32 | 8260C | 67-64-1 | ACETONE | J |
| 015/LSB-32 | 8260C | 74-83-9 | BROMOMETHANE | UJ |

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| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|---------------------------|----------------------------|
| 015/LSB-32 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 015/LSB-32 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 015/LSB-32 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 015/LSB-32 | 8270D | 77-47-4 | HEXACHLOROCYCLOPENTADIENE | UJ |
| 015/LSB-32 | 7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 015/LSB-32 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 016/LSB-33 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 016/LSB-33 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 016/LSB-33 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 016/LSB-33 | 8260C | 67-64-1 | ACETONE | J |
| 016/LSB-33 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 016/LSB-33 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 016/LSB-33 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 016/LSB-33 | 7471B | 7439-97-6 | MERCURY, TOTAL | J |
| 016/LSB-33 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |
| 017/LSB-34 | 8260C | 123-91-1 | 1,4-DIOXANE | UJ |
| 017/LSB-34 | 8260C | 78-93-3 | 2-BUTANONE | UJ |
| 017/LSB-34 | 8260C | 108-10-1 | 4-METHYL-2-PENTANONE | UJ |
| 017/LSB-34 | 8260C | 67-64-1 | ACETONE | J |
| 017/LSB-34 | 8260C | 74-83-9 | BROMOMETHANE | UJ |
| 017/LSB-34 | 8260C | 75-15-0 | CARBON DISULFIDE | UJ |
| 017/LSB-34 | 6010D | 7440-47-3 | CHROMIUM, TOTAL | J |
| 017/LSB-34 | 8260C | 75-71-8 | DICHLORODIFLUOROMETHANE | UJ |
| 017/LSB-34 | 8260C | 79-01-6 | TRICHLOROETHENE | UJ |

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

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VOCs by SW-846 Method 8260C:

L1922862:

The lab control sample and duplicate (LCS/LCSD) for batch WG1243154 exhibited a relative percent difference (RPD) above the control limit for 1,4-dioxane (60%). The associated results in sample 007/TB-1 are qualified as "UJ" based on potential indeterminate bias.

The LCSD for batch WG1243154 exhibited a percent recovery below the lower control limit (LCL) for naphthalene (69%). The associated results in sample 007/TB-1 are qualified as "UJ" based on potential low bias.

The method blank (MB) for batch WG1243827 exhibited a detection of bromomethane (64 ug/kg). The associated results in samples 002/LSB-24 and 003/DUP-1 are qualified as "U" at the reporting limit based on potential blank contamination.

The initial calibration (ICAL) for instrument VOA100 exhibited response factors (RFs) below the control limit for 1,4-dioxane (0.002) and 4-methyl-2-pentanone (0.075). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

The initial calibration verification (ICV) analyzed on 3/15/2019 at 13:00 exhibited a percent difference (%D) above the control limit for dichlorodifluoromethane (-21.5%). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 3/15/2019 at 13:00 exhibited a %D above the control limit for bromomethane (-29.2%). The associated results in samples 001/LSB-23, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 5/24/2019 at 21:32 exhibited %Ds above the control limit for dichlorodifluoromethane (-20.6%) and acetone (-22.9%). The associated results in sample 007/TB-1 are qualified as "J" or "UJ" based on potential indeterminate bias.

The continuing calibration verification (CCV) analyzed on 5/31/2019 at 7:01 exhibited %Ds above the control limit for trans-1,4-dichloro-2-butene (28.7%), 1,2-dibromo-3-chloropropane (24.1%), and 1,2,4-trichlorobenzene (22%), 1,2,3-trichlorobenzene (27.3%). The associated results in sample 007/TB-1 are qualified as "UJ" based on potential indeterminate bias.

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The CCV analyzed on 6/2/2019 at 7:35 exhibited a %D above the control limit for chloroethane (27.3%). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 6/2/2019 at 7:35 exhibited a RF below the control limit for 2-hexanone (0.099). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

L1923220:

The trip blank (011/TB-2) exhibited a detection of acetone (2.2 ug/L). The associated results in sample 010/FB-1 are qualified as "U" at the reporting limit based on potential blank contamination.

The LCS/LCSD for batch WG1244107 exhibited percent recoveries below the LCL for 1,2,3-trichlorobenzene (69%) and naphthalene (66%, 66%). The associated results in samples 010/FB-1 and 011/TB-2 are qualified as "UJ" based on potential low bias.

The LCS/LCSD for batch WG1244107 exhibited a RPD above the control limit for o-chlorotoluene (23%). The associated results in samples 010/FB-1 and 011/TB-2 are qualified as "UJ" based on potential indeterminate bias.

The LCS for batch WG1244408 exhibited a percent recovery above the upper control limit (UCL) for acetone (147%). The associated results in sample 016/LSB-33 are qualified as "J" based on potential high bias.

The ICAL for instrument VOA111 exhibited RFs below the control limit for 2-butanone (0.065), 1,4-dioxane (0.002), and 4-methyl-2-pentanone (0.078). The associated results in samples 008/LSB-28, 012/LSB-29, 013/LSB-30, 014/LSB-31, 015/LSB-32, 016/LSB-33, and 017/LSB-34 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 5/3/2019 at 15:26 exhibited %Ds above the control limit for dichlorodifluoromethane (20.4%) and carbon disulfide (23.6%). The associated results in samples 008/LSB-28, 012/LSB-29, 013/LSB-30, 014/LSB-31, 015/LSB-32, 016/LSB-33, and 017/LSB-34 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 5/3/2019 at 15:26 exhibited a RF below the control limit for trichloroethene (0.197). The associated results in samples 008/LSB-28, 012/LSB-29, 013/LSB-30, 014/LSB-31, 015/LSB-32, 016/LSB-33, and 017/LSB-34 are qualified as "UJ" based on potential indeterminate bias.

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The ICV analyzed on 5/24/2019 at 21:32 exhibited %Ds above the control limit for dichlorodifluoromethane (-20.6%) and 1,4-dioxane (-20.3%). The associated results in samples 010/FB-1 and 011/TB-2 are qualified as "UJ" based on potential indeterminate bias.

The ICV analyzed on 5/24/2019 at 21:32 exhibited a %D above the control limit for acetone (-22.9%). The associated results in sample 011/TB-2 are qualified as "J" based on potential indeterminate bias.

The CCV analyzed on 6/2/2019 at 16:54 exhibited %Ds above the control limit for trans-1,4-dichloro-2-butene (29.3%), 1,2-dibromo-3-chloropropane (23.5%), hexachlorobutadiene (26.5%), and 1,2,4-trichlorobenzene (26.1%). The associated results in samples 010/FB-1 and 011/TB-2 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 6/3/2019 at 17:55 exhibited %Ds above the control limit for bromomethane (-22%) and acetone (-20.7%). The associated results in samples 008/LSB-28, 012/LSB-29, 013/LSB-30, 014/LSB-31, 015/LSB-32, and 017/LSB-34 are qualified as "J" or "UJ" based on potential indeterminate bias.

SVOCs by SW-846 Method 8270D and 8270D SIM:

L1922862:

The LCS/LCSD for batch WG1242934 exhibited percent recoveries above the UCL for phenol (100%, 108%). The associated results in sample 005/LSB-26 are qualified as "J" based on potential high bias.

The ICV analyzed on 5/29/2019 at 10:53 exhibited a %D above the control limit for benzoic acid (21.1%). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 6/1/2019 at 19:46 exhibited a %D above the control limit for 2,4-dinitrophenol (-20%). The associated results in samples 001/LSB-23, 002/LSB-24, 003/DUP-1, 004/LSB-25, 005/LSB-26, and 006/LSB-27 are qualified as "UJ" based on potential indeterminate bias.

L1923220:

The LCS for batch WG1243559 exhibited a percent recovery below the LCL for benzoic acid (0%). The associated results in sample 010/FB-1 are qualified as "UJ" based on potential low bias.

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The CCV analyzed on 6/3/2019 at 9:33 exhibited a %D above the control limit for 2,4-dinitrophenol (-20.9%). The associated results in sample 012/LSB-29 are qualified as "UJ" based on potential indeterminate bias.

The CCV analyzed on 6/4/2019 at 13:00 exhibited a %D above the control limit for hexachlorocyclopentadiene (22.6%). The associated results in samples 013/LSB-30 and 015/LSB-32 are qualified as "UJ" based on potential indeterminate bias.

PCBs by SW-846 Method 8082A:

L1922862:

The sample 002/LSB-24 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (28%). The associated results are qualified as "UJ" based on potential low bias.

Metals by SW-846 Method 6010D:

L1923220:

The CCV analyzed on R1193802-17 exhibited a percent recovery above the UCL for chromium (114%). The associated results in samples 013/LSB-30, 014/LSB-31, 015/LSB-32, 016/LSB-33, and 017/LSB-34 are qualified as "J" based on potential high bias.

Mercury by SW-846 Method 7471B:

L1922862:

The field duplicate and parent sample (003/DUP-1 and 002/LSB-24) exhibited an absolute difference above the RL for mercury (1.307 mg/kg). The associated results are qualified as "J" based on potential indeterminate bias.

L1923220:

The matrix spike (MS) for batch WG1244362 exhibited a percent recovery below the LCL for mercury (32%). The associated results in samples 015/LSB-32 and 016/LSB-33 are qualified as "J" based on potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

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VOCs by SW-846 Method 8260C:

L1922862:

The sample 002/LSB-24 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (164%). The other three volatile surrogates were recovered within the control limits. No qualification is necessary.

The sample 003/DUP-1 exhibited a percent recovery above the UCL for the surrogate 4-bromofluorobenzene (143%). The other three volatile surrogates were recovered within the control limits. No qualification is necessary.

The trip blank (007/TB-1) exhibited a detection of acetone (1.5 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1243154 exhibited a detection of 1,4-dioxane (130 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1243820 exhibited a detection of bromomethane (1.3 ug/kg). The associated results are non-detections. No qualification is necessary.

The ICV analyzed on 5/24/2019 at 21:32 exhibited a %D above the control limit for 1,4-dioxane (-20.3%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 5/31/2019 at 7:01 exhibited %Ds above the control limit for 1,4-dioxane (32.8%) and naphthalene (28.8%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 6/2/2019 at 7:35 exhibited a %D above the control limit for dichlorodifluoromethane (24.4%). The associated results were previously qualified. No further action is necessary.

L1923220:

The field blank (010/FB-1) exhibited a detection of acetone (3.2 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1244107 exhibited a detection of 1,4-dioxane (130 ug/L). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1244236 exhibited a detection of methyl tert butyl ether (0.26 ug/kg). The associated results are non-detections. No qualification is necessary.

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Data Usability Summary Report
For 280 W 155th St
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Langan Project No.: 100765101
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The MB for batch WG1244238 exhibited a detection of methyl tert butyl ether (13 ug/kg). The associated results are non-detections. No qualification is necessary.

The MB for batch WG1244408 exhibited a detection of methyl tert butyl ether (0.24 ug/kg). The associated results are non-detections. No qualification is necessary.

The CCV analyzed on 6/2/2019 at 16:54 exhibited a %D above the control limit for dichlorodifluoromethane (24.8%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 6/2/2019 at 16:54 exhibited %Ds above the control limit for naphthalene (33.6%) and 1,2,3-trichlorobenzene (30.8%). The associated results were previously qualified. No further action is necessary.

The CCV analyzed on 6/4/2019 at 6:53 exhibited a %D above the control limit for acetone (-47.4%). The associated results were previously qualified. No further action is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM:

L1922862:

The sample 005/LSB-26 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (126%). The other two base/neutral surrogates were recovered within the control limits. No qualification is necessary.

The LCSD for batch WG1242934 exhibited a percent recovery above the UCL for bis(2-chloroisopropyl)ether (144%). The associated results are non-detections. No qualification is necessary.

L1923220:

The sample 008/LSB-28 exhibited a percent recoveries below the LCL for the surrogate 2,4,6-tribromophenol (0%), 2-fluorobiphenyl (0%), 2-fluorophenol (0%), 4-terphenyl-d14 (0%), nitrobenzene-d5 (0%), and phenol-d6 (0%). The sample was diluted greater than ten times. No qualification is necessary.

The field blank (010/FB-1) exhibited a detection of naphthalene (0.53 ug/L). The associated results are non-detections. No qualification is necessary.

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Data Usability Summary Report
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PCBs by SW-846 Method 8082A:

L1922862:

The sample 008/LSB-28 exhibited percent recoveries below the LCL for the surrogate 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%). The sample was diluted greater than ten times. No qualification is necessary.

Metals by SW-846 Method 6010D:

L1922862:

The field blank (010/FB-1) exhibited a detection of arsenic (0.002 mg/L). The associated results are non-detections. No qualification is necessary.

Mercury by SW-846 Method 7471B:

L1922862:

The laboratory duplicate and parent sample (016/LSB-33) exhibited a RPD above the control limit for mercury (79%). The associated results were previously qualified. No further action is necessary.

COMMENTS:

Field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than $\pm 2X$ the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- 003/DUP-1 and 002/LSB-24

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

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Data Usability Summary Report
For 280 W 155th St
May 2019 Soil Samples
Langan Project No.: 100765101
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Signed:



Emily Strake, CEP
Senior Project Chemist

2700 Kelly Road, Suite 200 Warrington, PA 18976 T: 215.491.6500 F: 215.491.6501
Mailing Address: P.O. Box 1569 Doylestown, PA 18901

To: Amanda Forsburg, Langan Senior Project Scientist
From: Emily Strake, Langan Senior Project Chemist
Date: June 10, 2019
Re: Data Usability Summary Report
For 280 W 155th St
June 2019 Soil Vapor Samples
Langan Project No.: 100765101

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of soil vapor samples collected in June 2019 by Langan Engineering and Environmental Services ("Langan") at the 280 W 155th St site ("the site"). The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, below, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

TABLE 1: SAMPLE SUMMARY

| SDG | Lab Sample ID | Client Sample ID | Sample Date | Analytical Parameters |
|------------|----------------------|-------------------------|--------------------|------------------------------|
| L1923449 | L1923449-01 | 025/LSV-1 | 6/3/2019 | VOCs |
| L1923449 | L1923449-02 | 026/LSV-2 | 6/3/2019 | VOCs |
| L1923449 | L1923449-03 | 027/LSV-3 | 6/3/2019 | VOCs |
| L1923449 | L1923449-04 | 028/LSV-4 | 6/3/2019 | VOCs |

Validation Overview

This data validation was performed in accordance with USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6), the USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA-540-R-2017-002, January 2017), and the specifics of the methods employed.

Technical Memorandum

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator. Items subject to review in this memorandum include holding times, sample preservation, instrument tuning, instrument calibration, laboratory blanks, laboratory control samples, system monitoring compounds, internal standard area counts, target compound identification and quantification, chromatograms, and overall system performance.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- R** – The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit (RL); however, the reported RL is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are not sufficiently valid and technically supportable to be used for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified.

TABLE 2: VALIDATOR-APPLIED QUALIFICATION

| <i>Client Sample ID</i> | <i>Analysis</i> | <i>CAS #</i> | <i>Analyte</i> | <i>Validator Qualifier</i> |
|-------------------------|-----------------|--------------|----------------|----------------------------|
| 025/LSV-1 | TO15 | 64-17-5 | ETHYL ALCOHOL | J |
| 026/LSV-2 | TO15 | 64-17-5 | ETHYL ALCOHOL | J |
| 027/LSV-3 | TO15 | 64-17-5 | ETHYL ALCOHOL | J |
| 028/LSV-4 | TO15 | 64-17-5 | ETHYL ALCOHOL | J |

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Data Usability Summary Report
For 280 W 155th St
June 2019 Soil Vapor Samples
Langan Project No.: 100765101
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MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

The initial calibration for instrument AIRPIANO1 exhibited a relative standard deviation above the control limit for ethanol (35.34%). The associated results in samples 025/LSV-1, 026/LSV-2, 027/LSV-3, and 028/LSV-4 are qualified as "J" based on potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

COMMENTS:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Emily Strake, CEP
Senior Project Chemist

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|---|---------------------|--------------------------|---|-----------------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 12.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First 6 | Completion 24 HR. --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Grin | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | | Started Drilling at 3/25/2019 7:50 AM |
| | | Brown m-c SAND, some coarse sand, trace brick, trace concrete, trace fine gravel (dry)[FILL] | 1 | | | | | | | |
| | | | 2 | M-1 | Macrocore | 39 | | | | |
| | | | 3 | | | | | | | Collect grabs for WC-1A from 1 and 5 ft |
| | | Brown m-c SAND, some coarse sand, trace brick, trace concrete, trace fine gravel (dry)[FILL] | 4 | | | | | | | |
| | | | 5 | M-2A | Macrocore | | | | | |
| | | Light gray to dark gray f-m SAND, some silt, some organics (wet)[FILL] | 6 | | | 32 | | | | |
| | | | 7 | | | | | | | |
| | | | 8 | M-2B | Macrocore | | | | | |
| | | Light gray to dark gray f-m SAND, some silt, some organics, Brick intrusion (3 in) at ~10.5 ft (wet)[FILL] | 9 | | | | | | | |
| | | | 10 | M-3 | Macrocore | 29 | | | | Collect grabs for WC-1B from 8 and 11 ft |
| | | | 11 | | | | | | | |
| | | | 12 | | | | | | | Bottom of boring at 3/25/2019 8:03 AM |
| | | | 13 | | | | | | | |
| | | | 14 | | | | | | | |
| | | | 15 | | | | | | | |
| | | | 16 | | | | | | | |
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|---|--------------------------|-------------------------|---|--------------------------|--------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 13.5-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 3/25/19 | | Date Finished 3/25/19 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|-------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 8:20 AM |
| | | Light brown m-c SAND, some brick, some wood, some coarse sand, some fine gravel, trace concrete, Styrofoam (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 34 | | | 0.0 | Collect grabs and VOC sample for WC-1A at 2 and 4 ft |
| | | | 3 | | | | | | 0.0 | |
| | | Light brown m-c SAND, some coarse sand, some fine gravel, trace concrete, trace wood (moist)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 33 | | | 0.0 | Collect grabs and VOC sample for WC-1B at 9 and 12 ft |
| | | | 7 | | | | | | 0.0 | |
| | | Light gray to dark gray f-c SAND, some brick, some silt, some organics (wet)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 28 | | | 0.0 | Bottom of boring at 3/25/2019 8:37 AM |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 13.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 6 | Completion ∇ --- | 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|-----------------------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist B/Join | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | 0.0 | Started Drilling at 3/25/2019 8:50 AM Collect grabs for WC-2A from 3 and 5 ft Slight sheen on gw in 8 to 12 MC, no odor, no PID Collect grabs for WC-2B from 7 and 10 ft Bottom of boring at 3/25/2019 9:03 AM |
| | | Light brown to black f-c SAND, some brick, some wood, some silt, some f-m gravel (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 32 | | 0.0 | |
| | | | 3 | | | | | 0.0 | |
| | | Light brown to black f-c SAND, some silt, some coarse sand, some fine gravel, trace brick (moist)[FILL] | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 34 | | 0.0 | |
| | | | 7 | | | | | 0.0 | |
| | | Light gray to dark gray f-c SAND, some fine gravel (wet)[FILL] | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 25 | | 0.0 | |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | | | | | 0.0 | |
| | | | 13 | | | | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | | 15 | | | | | 0.0 | |
| | | | 16 | | | | | 0.0 | |
| | | | 17 | | | | | 0.0 | |
| | | | 18 | | | | | 0.0 | |
| | | | 19 | | | | | 0.0 | |
| | | | 20 | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 13.54-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core 24 HR. --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|-------|---|---------------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | | Started Drilling at 3/25/2019 9:05 AM |
| | | Light brown to brown m-c SAND, some brick, some fine gravel (dry)[FILL] | 1 | | | | | | | |
| | | | 2 | M-1 | Macrocore | 37 | | | | |
| | | | 3 | | | | | | | Collect grab for WC-2A at 2 ft |
| | | Brown m-c SAND, some fine gravel (dry)[FILL] | 4 | | | | | | | |
| | | | 5 | | | | | | | |
| | | | 6 | M-2A | Macrocore | 37 | | | | |
| | | Dark gray SAND, some silt, some coarse sand (wet)[FILL] | 7 | | | | | | | |
| | | | 8 | M-2B | | | | | | |
| | | Dark gray f-c SAND, some silt, some coarse sand, trace brick (wet)[FILL] | 9 | | | | | | | Slight sheen on gw, no odor, no PID |
| | | | 10 | M-3 | Macrocore | 33 | | | | Collect grab for WC-2B at 8 ft |
| | | | 11 | | | | | | | |
| | | | 12 | | | | | | | Bottom of boring at 3/25/2019 9:22 AM |
| | | | 13 | | | | | | | |
| | | | 14 | | | | | | | |
| | | | 15 | | | | | | | |
| | | | 16 | | | | | | | |
| | | | 17 | | | | | | | |
| | | | 18 | | | | | | | |
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|---|--------------------------|-------------------------|---|--------------------------|--------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.5-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 3/25/19 | | Date Finished 3/25/19 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Grin | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 9:20 AM Collect grabs and VOC for WC-2A from 1 and 6 ft Sheen, odor, degraded product and PID observed from 6-12 Collect grabs and VOC sample for WC-2B from 9 and 7 ft Bottom of boring at 3/25/2019 9:53 AM |
| | | Light brown to yellow m-c SAND, some brick, some wood, trace fine gravel [FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 28 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Black f-m SAND, some coal ash, some silt, trace fine gravel (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | M-2A | Macrocore | | | | 0.0 | |
| | | Dark gray f-m SAND, some coarse sand, some fine gravel (wet)[FILL] | 6 | | | 37 | | | 16.3 | |
| | | | 7 | | | | | | 11 | |
| | | | 8 | M-2B | Macrocore | | | | 12.1 | |
| | | Dark gray f-m SAND, some coarse sand, some fine gravel (wet)[FILL] | 9 | | | | | | 7.7 | |
| | | | 10 | M-3 | Macrocore | 37 | | | 7.0 | |
| | | | 11 | | | | | | 7.0 | |
| | | | 12 | | | | | | 6.8 | |
| | | | 13 | | | | | | 7.0 | |
| | | | 14 | | | | | | 8.1 | |
| | | | 15 | | | | | | 4.0 | |
| | | | 16 | | | | | | 1.9 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

| | | | | | |
|---|--------------------------|------------------|--|-------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.23-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Grin | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 10:20 AM Collect grabs for WC-3A from 1 and 5 ft Minor sheen, some evidence of free product, PID and minor odor from 6-8; collect grabs and VOC sample for WC-3B from 10 and 8 ft Bottom of boring at 3/25/2019 11:02 AM |
| | | Tannish brown to brown m-c SAND, some coarse sand, trace fine gravel, Styrofoam and ceramic (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 34 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Tannish brown to brown m-c SAND, some glass, some coarse sand, trace fine gravel (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | Light gray to dark gray f-m SAND, some silt, some coarse sand, trace fine gravel (wet)[FILL] | 6 | M-2A | Macrocore | 33 | | | 4.1 | |
| | | | 7 | | | | | | 9.2 | |
| | | | 8 | M-2B | | | | | 2.5 | |
| | | Light gray to dark gray f-m SAND, some silt, some coarse sand, trace fine gravel (wet)[FILL] | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 28 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

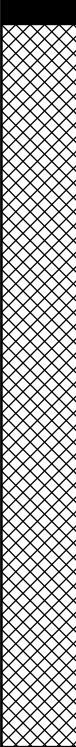
| | | | | | |
|---|--------------------------|---------------------------------|---|--------------------------|--------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 3/25/19 | | Date Finished 3/25/19 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | Water Level (ft.) First 7 | Completion 7 | Core --- | 24 HR. --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|-------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 11:00 AM Collect grab for WC-3A from 6 ft Collect grab for WC-3B at 11 ft Bottom of boring at 3/25/2019 11:20 AM |
| | | Brown m-c SAND, some fine gravel, trace metal, trace brick, trace slag (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 28 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Brown m-c SAND, some fine gravel, trace metal, trace brick, trace slag (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | M-2A | | | | | 0.0 | |
| | | Dark gray f-m SAND, some silt, trace fine gravel (moist)[FILL] | 6 | | Macrocore | 30 | | | 0.0 | |
| | | | 7 | M-2B | | | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | Dark gray to black f-m SAND, some silt, trace fine gravel, Brick intrusion at 11.5 (wet)[FILL] | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 41 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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|---|---------------------|--------------------------|---|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.4-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 7 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|--|------------|---|-------------|-------------|-----------|-------------|----------------|-------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | PID Reading (ppm) |
|  | 0 | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 11:20 AM Collect grabs and VOC sample for WC-3A from 2 and 4 ft Slight sheen and degraded product on gw, no odor, no PID Collect grabs for WC-3B from 7 and 9 ft Bottom of boring at 3/25/2019 11:53 AM |
| | | Brown m-c SAND, some fine gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 34 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Reddish brown m-c SAND, some fine gravel, trace slag (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | M-2A | Macrocore | 37 | | | 0.0 | |
| | | Gray f-m SAND, trace coarse sand, trace fine gravel (moist)[FILL] | 6 | | | | | | 0.0 | |
| | | | 7 | M-2B | Macrocore | | | | 0.2 | |
| | | | 8 | | | | | | 0.0 | |
| | | Gray f-m SAND, some fine gravel, trace coarse sand (wet)[FILL] | 9 | | | | | | 1.5 | |
| | | | 10 | M-3 | Macrocore | 23 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | 12 | | | | | | 0.0 | | |
| | | 13 | | | | | | 0.0 | | |
| | | 14 | | | | | | 0.0 | | |
| | | 15 | | | | | | 0.0 | | |
| | | 16 | | | | | | 0.0 | | |
| | | 17 | | | | | | 0.0 | | |
| | | 18 | | | | | | 0.0 | | |
| | | 19 | | | | | | 0.0 | | |
| | | 20 | | | | | | 0.0 | | |

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|---|--|---------------------|--|---------------------------------|-----------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.69-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | Water Level (ft.) First 8 | Completion 24 HR. --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|------------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist B/ft/in | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | 0.0 | Started Drilling at 3/25/2019 12:30 PM |
| | | Black to dark brown m-c SAND, some fine gravel, trace slag, trace brick (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 34 | | 0.0 | Collect grabs for WC-4A from 4 and 5 ft |
| | | | 3 | | | | | 0.0 | |
| | | Black to reddish brown m-c SAND, some fine gravel, trace brick, Shell fragments (dry)[FILL] | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 32 | | 0.0 | Collect grab for WC-4B from 10 ft |
| | | | 7 | | | | | 0.0 | |
| | | Light gray f-c SAND, some fine gravel (wet)[FILL] | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 22 | | 0.0 | Bottom of boring at 3/25/2019 12:44 PM |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | | | | | 0.0 | |
| | | | 13 | | | | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | | 15 | | | | | 0.0 | |
| | | | 16 | | | | | 0.0 | |
| | | | 17 | | | | | 0.0 | |
| | | | 18 | | | | | 0.0 | |
| | | | 19 | | | | | 0.0 | |
| | | | 20 | | | | | 0.0 | |

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|---|--------------------------|------------------|--|-------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.52-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist Bl/ft | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | 0.0 | Started Drilling at 3/25/2019 1:35 PM |
| | | Tannish brown m-c SAND, trace fine gravel, Shell fragments (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 29 | | 0.0 | Collect grab for WC-4A from 2 ft |
| | | Brown m-c SAND, some brick, trace fine gravel (dry)[FILL] | 3 | | | | | 0.0 | |
| | | | 4 | | | | | 0.0 | |
| | | Dark gray f-c SAND, some silt (wet)[FILL] | 5 | M-2A | Macrocore | 33 | | 0.0 | |
| | | | 6 | | | | | 0.0 | Collect grabs for WC-4B from 6 and 12 ft |
| | | Dark gray f-c SAND, some silt, some fine gravel (wet)[FILL] | 7 | M-2B | Macrocore | | | 0.0 | |
| | | | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 16 | | 0.0 | |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | | | | | 0.0 | Bottom of boring at 3/25/2019 1:52 PM |
| | | | 13 | | | | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | | 15 | | | | | 0.0 | |
| | | | 16 | | | | | 0.0 | |
| | | | 17 | | | | | 0.0 | |
| | | | 18 | | | | | 0.0 | |
| | | | 19 | | | | | 0.0 | |
| | | | 20 | | | | | 0.0 | |

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|---|------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.82-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Grin | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 1:55 PM Collect grabs and VOC sample from 3 and 1 ft |
| | | Brown f-c SAND, some fine gravel, trace wood, trace concrete, trace brick (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 29 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Brown f-c SAND, some fine gravel, trace concrete, Charcoal (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 32 | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | Light gray to dark gray f-m SAND, some coarse sand, trace fine gravel, Shells (wet)[FILL] | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 37 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | Bottom of boring at 3/25/2019 2:37 PM |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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|---|--------------------------|------------------|--|-------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.18-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 6 | Completion --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist Bl/ft | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | 0.0 | Started Drilling at 3/26/2019 7:35 AM Collect grabs for WC-5A from 1 and 4 ft Collect grabs for WC-5B from 7 and 10 ft Bottom of boring at 3/26/2019 8:02 AM |
| | | Dark brown to reddish m-c SAND, some wood, some fine gravel, trace brick, Shell fragments (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 36 | | 0.0 | |
| | | | 3 | | | | | 0.0 | |
| | | Dark brown to reddish brown f-c SAND, some fine gravel, Charcoal (moist)[FILL] | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 37 | | 0.0 | |
| | | | 7 | | | | | 0.0 | |
| | | Light gray f-m SAND, some silt, some coarse sand, some fine gravel (wet)[FILL] | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 30 | | 0.0 | |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | | | | | 0.0 | |
| | | | 13 | | | | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | | 15 | | | | | 0.0 | |
| | | | 16 | | | | | 0.0 | |
| | | | 17 | | | | | 0.0 | |
| | | | 18 | | | | | 0.0 | |
| | | | 19 | | | | | 0.0 | |
| | | | 20 | | | | | 0.0 | |

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|---|--|--|--|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.45-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Drilling Foreman Ron | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Hannah Griesbach | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|--------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BLU/in | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 8:05 AM |
| | | Light brown to dark brown f-c SAND, some brick, some fine gravel, Charcoal (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 33 | | | 0.0 | Collect grab for WC-5A from 3 ft |
| | | | 3 | | | | | | 0.0 | |
| | | Light brown to dark brown f-c SAND, some fine gravel, trace brick (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 36 | | | 0.0 | Collect grab for WC-5B from 11 ft |
| | | | 7 | | | | | | 0.0 | |
| | | Dark gray f-m SAND, some silt, some coarse sand, some fine gravel (wet)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 33 | | | 0.0 | Bottom of boring at 3/26/2019 8:36 AM |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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|---|---------------------|--------------------------|--|-----------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.71-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ▽ | Completion ▽ | Core 24 HR. --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|--------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BLU/in | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 8:35 AM Collect grabs and VOC sample for WC-5A from 5 and 2 ft Collect grabs and VOC sample for WC-5B from 12 and 6 ft Bottom of boring at 3/26/2019 9:09 AM |
| | | Brown to light brown f-c SAND, some brick, some fine gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 43 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Brown to light brown f-c SAND, some fine gravel (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | M-2A | Macrocore | | | | 0.0 | |
| | | Gray to dark gray f-c SAND, some silt, some fine gravel (moist)[FILL] | 6 | | | 38 | | | 0.0 | |
| | | | 7 | M-2B | Macrocore | | | | 0.0 | |
| | | Gray to dark gray f-c SAND, some silt, some fine gravel (moist)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 15 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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|---|---------------------|--------------------------|---|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.5-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 7 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-------------------------|------------|--|-------------|-------------|------|-------------|----------------|--------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BLU/in | | PID Reading (ppm) |
| [Cross-hatched pattern] | 0 | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 9:10 AM Collect grabs for WC-6A from 4 and 5 ft Collect grabs for WC-6B from 8 and 12 ft Bottom of boring at 3/26/2019 9:41 AM |
| | 1 | Brown to light brown f-c SAND, some fine gravel, trace brick, Charcoal (dry)[FILL] | 1 | | | | | | 0.0 | |
| | 2 | | M-1 | Macrocore | 40 | | | 0.0 | | |
| | 3 | | | | | | 0.0 | | | |
| | 4 | Brown to light brown f-c SAND, some fine gravel, Charcoal (dry)[FILL] | 4 | | | | | | 0.0 | |
| | 5 | | M-2A | Macrocore | 37 | | | 0.0 | | |
| | 6 | Gray to dark gray f-c SAND, some silt, some fine gravel (moist)[FILL] | 6 | | | | | | 0.0 | |
| | 7 | | M-2B | Macrocore | | | | 0.0 | | |
| | 8 | | | | | | 0.0 | | | |
| | 9 | Gray to dark gray f-c SAND, some silt, some fine gravel (wet)[FILL] | 9 | | | | | | 0.0 | |
| | 10 | | M-3 | Macrocore | 23 | | | 0.0 | | |
| | 11 | | | | | | 0.0 | | | |
| 12 | | | 12 | | | | | 0.0 | | |
| | | | 13 | | | | | | | |
| | | | 14 | | | | | | | |
| | | | 15 | | | | | | | |
| | | | 16 | | | | | | | |
| | | | 17 | | | | | | | |
| | | | 18 | | | | | | | |
| | | | 19 | | | | | | | |
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|---|--|--------------------------|---|--------------------------|--------------------|-------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.0-ft NAVD88 | | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 3/26/19 | | Date Finished 3/26/19 | | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- | |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- | |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First 8 | Completion 8 | 24 HR. --- | Core --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|------------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist B/ft/in | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | 0.0 | Started Drilling at 3/26/2019 9:40 AM |
| | | Brown f-c SAND, some fine gravel, Brick (4 in) and asphalt (5 in) intrusion (dry)[FILL] | 1 | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 32 | | 0.0 | Collect grab for WC-6A from 3 ft |
| | | | 3 | | | | | 0.0 | |
| | | Brown f-c SAND, some fine gravel, trace brick, trace glass (dry)[FILL] | 4 | | | | | 0.0 | |
| | | | 5 | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 29 | | 0.0 | Collect grab for WC-6B from 7 ft |
| | | | 7 | | | | | 0.0 | |
| | | Light gray f-c SAND, some silt, some fine gravel (wet)[FILL] | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 29 | | 0.0 | Bottom of boring at 3/26/2019 9:50 AM |
| | | | 11 | | | | | 0.0 | |
| | | | 12 | | | | | 0.0 | |
| | | | 13 | | | | | 0.0 | |
| | | | 14 | | | | | 0.0 | |
| | | | 15 | | | | | 0.0 | |
| | | | 16 | | | | | 0.0 | |
| | | | 17 | | | | | 0.0 | |
| | | | 18 | | | | | 0.0 | |
| | | | 19 | | | | | 0.0 | |
| | | | 20 | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.56-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Drilling Foreman Ron | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Hannah Griesbach | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|-------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 9:50 AM |
| | | Brown f-c SAND, some concrete, some f-m gravel, trace glass (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 32 | | | 0.0 | Collect grabs and VOC sample for WC-6A from 1 and 2 ft |
| | | | 3 | | | | | | 0.0 | |
| | | Brown f-c SAND, some concrete, some f-m gravel, trace slag, trace wood, Tile fragments (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 42 | | | 0.0 | Collect grabs and VOC sample for WC-6B from 9 and 10 ft |
| | | | 7 | | | | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | Brown to dark gray f-c SAND, some silt, some f-c gravel (wet)[FILL] | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 34 | | | 0.0 | Bottom of boring at 3/26/2019 10:19 AM |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.7-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Drilling Foreman Ron | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Hannah Griesbach | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|-------|-------------------|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/ft | | |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 10:30 AM Collect grabs for WC-7A and DUP from 1 and 6 ft Collect grabs for WC-7B from 11 and 12 ft Bottom of boring at 3/26/2019 10:54 AM |
| | | Brown to dark brown f-m SAND, some coarse sand, some f-m gravel, trace glass, trace brick (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 30 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Brown to dark f-c SAND, some concrete, some f-m gravel, trace brick, Trace asphalt (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 17 | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | Brown to dark gray f-c SAND, some f-m gravel, trace silt (dry)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 24 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.92-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | Date Started 3/26/19 | | Date Finished 3/26/19 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | Water Level (ft.) First 8 | Completion 24 HR. --- | Core --- | --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|--------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BLU/in | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 11:00 AM |
| | | Dark brown to black f-c SAND, some brick, some concrete, some fine gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 25 | | | 0.0 | Collect grabs for WC-7A and DUP from 4 and 5 ft |
| | | | 3 | | | | | | 0.0 | |
| | | Dark brown to black f-c SAND, some brick, some concrete, some fine gravel, trace slag, trace wood (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 13 | | | 0.0 | Collect grabs for WC-7B from 8 and 9 ft |
| | | | 7 | | | | | | 0.0 | |
| | | Dark gray to black f-m SAND, some silt, trace fine gravel (wet)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 23 | | | 0.0 | Bottom of boring at 3/26/2019 11:17 AM |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.40-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/26/19 | | Date Finished 3/26/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 8 | Completion 24 HR. --- | Core --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Grin | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/26/2019 11:20 AM |
| | | Dark brown f-c SAND, some fine gravel, trace concrete, brick fragments (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 21 | | | 0.0 | Collect grab and VOC sample for WC-7A and DUP from 3 ft |
| | | | 3 | | | | | | 0.0 | |
| | | Dark brown f-c SAND, some fine gravel, trace metal, trace brick, concrete fragments (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | M-2 | Macrocore | 30 | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | Collect grab and VOC sample for WC-7B from 10 ft |
| | | | 7 | | | | | | 0.0 | |
| | | Reddish brown to black f-c SAND, some silt, some fine gravel, trace organics (wet)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | M-3 | Macrocore | 24 | | | 0.0 | |
| | | | 10 | | | | | | 0.0 | Bottom of boring at 3/26/2019 11:55 AM |
| | | | 11 | | | | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

| | | | | | |
|---|---------------------|--------------------------|---|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.0-ft NAVD88 | | |
| Drilling Company AARCO Environmental Services, Corp. | | | Date Started 3/25/19 | | Date Finished 3/25/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 16 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 4 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman Ron | | |
| Sampler 1.75 in x 4 ft Acetate Lined Macrocore | | | Field Engineer Hannah Griesbach | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|--------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BLU/in | | PID Reading (ppm) |
| | | Asphalt and sub-base (5 inches) | 0 | | | | | | 0.0 | Started Drilling at 3/25/2019 12:40 PM |
| | | Light gray to orangish brown f-c SAND, some wood, some fine gravel (dry)[FILL] | 1 | | | | | | 0.0 | |
| | | | 2 | M-1 | Macrocore | 38 | | | 0.0 | |
| | | | 3 | | | | | | 0.0 | |
| | | Light gray to orangish brown f-c SAND, some wood, some fine gravel (dry)[FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | M-2 | Macrocore | 30 | | | 0.0 | |
| | | | 7 | | | | | | 0.0 | |
| | | Light gray to dark gray f-c SAND, some silt, some fine gravel (wet)[FILL] | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | | 10 | M-3 | Macrocore | 35 | | | 0.0 | |
| | | | 11 | | | | | | 0.0 | |
| | | Dark gray f-c SAND, some silt, some fine gravel, Brick intrusion at 18in (wet)[FILL] | 12 | | | | | | 0.0 | |
| | | | 13 | M-4A | Macrocore | | | | 0.0 | |
| | | Gray CLAY, some coarse sand, some organics (wet) | 14 | | | 39 | | | 0.0 | |
| | | | 15 | M-4B | Macrocore | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

AARCO could not retrieve 12-16 MC, offset and redrill

Collect grabs and VOC sample (15) for WC-8 from 12-16

Bottom of boring at 3/25/2019 1:37 PM

| | | | | | |
|---|---------------------|------------------|--|---------------------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 14.24-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/30/19 | | Date Finished 5/30/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | Water Level (ft.) First 7 | Completion 7.2 |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist BL/in | PID Reading (ppm) | |
| | | Asphalt | 0 | | | | | 0 | Started Drilling at 5/30/2019 9:51 AM 001/LSB-23 collected from 3.5- to 5.5-feet bgs at 1030. VOCs from 4.5- to 5-feet bgs Bottom of boring at 5/30/2019 10:20 AM |
| | | Brown f-c SAND, some brick, trace wood, trace concrete, trace silt, trace f-c gravel (dry)[FILL] | 1 | | | | | 0 | |
| | | Light tannish brown f-c SAND, trace slag, trace concrete, trace silt, trace f-c gravel (moist)[FILL] | 2 | 1 | Macrocore | 38 | | 0 | |
| | | Light tannish brown f-c SAND, trace slag, trace concrete, trace silt, trace f-c gravel (moist)[FILL] | 3 | | | | | 0 | |
| | | Light tannish brown f-c SAND, trace slag, trace concrete, trace silt, trace f-c gravel (moist)[FILL] | 4 | | | | | 0 | |
| | | Light tannish brown f-c SAND, trace slag, trace concrete, trace brick, trace silt, trace f-c gravel, trace ceramic (moist)[FILL] | 5 | | | | | 0 | |
| | | Gray silty m-c SAND, some coarse sand, trace f-c gravel (moist)[FILL] | 6 | | | | | 0 | |
| | | Grayish white silty f-c SAND, trace concrete, trace f-c gravel (wet)[FILL] | 7 | 2 | Macrocore | 30 | | 0 | |
| | | Brown f-c SAND, some silt, trace brick, trace glass, trace f-c gravel (wet)[FILL] | 8 | | | | | 0 | |
| | | | 9 | | | | | 0 | |
| | | | 10 | | | | | 0 | |
| | | | 11 | | | | | 0 | |
| | | | 12 | 3 | Macrocore | 21 | | 0 | |
| | | | 13 | | | | | 0 | |
| | | | 14 | | | | | 0 | |
| | | | 15 | | | | | 0 | |
| | | | 16 | | | | | 0 | |
| | | | 17 | | | | | 0 | |
| | | | 18 | | | | | 0 | |
| | | | 19 | | | | | 0 | |
| | | | 20 | | | | | 0 | |

| | | | | | |
|---|--------------------------|-------------------------|--|--------------------------|--------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 15.15-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | Date Started 5/30/19 | | Date Finished 5/30/19 | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | Casing Depth (ft) --- | | Water Level (ft.) First 7.5 | Completion 7.6 | 24 HR. --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | |
| Sampler Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|--|-------------|-------------|-----------|-------------|-------------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/Join | PID Reading (ppm) | |
| | | Asphalt | 0 | | | | | | Started Drilling at 5/30/2019 11:01 AM |
| | | Tannish brown f-c SAND, some brick, trace concrete, trace silt, trace f-c gravel (dry)[FILL] | 1 | | | | | | |
| | | Tannish white silty f-c SAND, some concrete, trace fine gravel (moist)[FILL] | 2 | | | | | | |
| | | Tannish brown f-c SAND, some concrete, trace brick, trace silt, trace f-c gravel (dry)[FILL] | 3 | 1 | Macrocore | 33 | | | Refusal encountered at 2.0ft x2. offset 3' |
| | | Orangish brown f-m SAND, some silt, some coarse sand, trace concrete, trace brick, trace slag, trace asphalt (moist)[FILL] | 4 | | | | | | |
| | | Orangish brown f-m SAND, some silt, some coarse sand, trace concrete, trace brick, trace slag, trace asphalt (moist)[FILL] | 5 | | | | | | |
| | | Grayish brown f-c SAND, some silt, trace brick, trace concrete, trace f-c gravel (wet)[FILL] | 7 | 2 | Macrocore | 29 | | 17.5 | Product on top of groundwater from 7.5- to 8-feet bgs. Slight odors from 7.5- to 10-feet bgs |
| | | Dark grayish black f-c SAND, some silt, trace brick, trace concrete, trace f-c gravel (wet)[FILL] | 10 | | | | | 1.5 | 002/LSB-24 and 003/DUP-1 collected from 7.5- to 9.5-feet bgs at 1135 and 1140, respectively. VOCs from 7.5- to 8-feet bgs |
| | | | 11 | | | | | 0 | |
| | | | 12 | 3 | Macrocore | 7 | | 0 | |
| | | | 13 | | | | | 0 | |
| | | | 14 | | | | | 0 | |
| | | | 15 | | | | | 0 | Bottom of boring at 5/30/2019 11:20 AM |
| | | | 16 | | | | | 0 | |
| | | | 17 | | | | | 0 | |
| | | | 18 | | | | | 0 | |
| | | | 19 | | | | | 0 | |
| | | | 20 | | | | | 0 | |

| | | | | | |
|---|--|---------------------|--|-----------------------------------|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 15.91-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/30/19 | | Date Finished 5/30/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 15 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | Water Level (ft.) First 9.5 | Completion 8 |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | Asphalt | 0 | | | | | | 0 | Started Drilling at 5/30/2019 12:19 PM 004/LSB-25 sampled from 7.5 to 9.5-feet bgs at 1255. VOCs from 7.5- to 8-feet bgs Bottom of boring at 5/30/2019 12:30 PM |
| | | Brown to tannish brown f-c SAND, trace brick, trace concrete, trace wood, trace silt, trace f-c gravel (moist)[FILL] | 1 | | | | | | 0 | |
| | | Orangish brown f-c SAND, some silt, trace slag, trace concrete, trace f-c gravel (moist)[FILL] | 2 | 1 | Macrocore | 35 | | | 0 | |
| | | Grayish brown f-c SAND, some concrete, some fine gravel, trace silt (moist)[FILL] | 3 | | | | | | 0 | |
| | | | 4 | | | | | | 0 | |
| | | | 5 | | | | | | 0 | |
| | | | 6 | | | | | | 0 | |
| | | | 7 | | | | | | 0 | |
| | | | 8 | 2 | Macrocore | 39 | | | 0 | |
| | | | 9 | | | | | | 0 | |
| | | Grayish white f-c SAND, some silt, some f-c gravel, trace concrete (wet)[FILL] Dark gray f-m SAND, some silt, trace concrete, trace fine gravel (wet)[FILL] | 10 | | | | | | 0 | |
| | | | 11 | | | | | | 0 | |
| | | | 12 | | | | | | 0 | |
| | | | 13 | 3 | Macrocore | 8 | | | 0 | |
| | | | 14 | | | | | | 0 | |
| | | | 15 | | | | | | 0 | |
| | | | 16 | | | | | | 0 | |
| | | | 17 | | | | | | 0 | |
| | | | 18 | | | | | | 0 | |
| | | | 19 | | | | | | 0 | |
| | | | 20 | | | | | | 0 | |

| | | | | | | |
|---|--|--------------------------|---|------------------------------|----------------------|-------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.4-ft NAVD88 | | | |
| Drilling Company Aquifer Drilling & Testing | | Date Started 5/30/19 | | Date Finished 5/30/19 | | |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- | |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples | Disturbed 3 | Undisturbed --- | |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First 7.5 | | Completion 24 HR. | Core --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | | |
| Sampler Hammer --- | | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|---------------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | Asphalt | 0 | | | | | | 0 | Started Drilling at 5/30/2019 2:28 PM |
| | 1 | Dark brown f-c SAND, trace concrete, trace brick, trace glass, trace silt, trace fine gravel (dry)[FILL] | 1 | | | | | | 0 | |
| | 2 | Orangish brown f-c SAND, some silt, trace concrete, trace brick, trace slag, trace glass, trace f-c gravel (moist)[FILL] | 2 | 1 | Macrocore | 37 | | | 0 | |
| | 3 | | 3 | | | | | | 0 | |
| | 4 | | 4 | | | | | | 0 | |
| | 5 | Orangish brown f-c SAND, some silt, trace concrete, trace brick, trace slag, trace f-c gravel (moist)[FILL] | 5 | | | | | | 0 | |
| | 6 | | 6 | | | | | | 2 | |
| | 7 | | 7 | | | | | | 3 | |
| | 8 | Dark grayish brown f-m SAND, some silt, trace concrete, trace brick, trace coarse sand, trace f-c gravel (wet)[FILL] | 8 | 2 | Macrocore | 21 | | | 9.5 | |
| | 9 | | 9 | | | | | | 7 | |
| | 10 | Dark grayish brown f-m SAND, some silt, trace concrete, trace brick, trace coarse sand, trace f-c gravel (wet)[FILL] | 10 | | | | | | 4 | |
| | 11 | | 11 | | | | | | 1 | |
| 12 | | 12 | 3 | Macrocore | 8 | | | 0 | | |
| 13 | | 13 | | | | | | 0 | | |
| 14 | | 14 | | | | | | 0 | | |
| 15 | | 15 | | | | | | 0 | | |
| 16 | | 16 | | | | | | 0 | | |
| 17 | | 17 | | | | | | 0 | | |
| 18 | | 18 | | | | | | 0 | | |
| 19 | | 19 | | | | | | 0 | | |
| 20 | | 20 | | | | | | 0 | | |

006/LSB-27 collected from 6- to 8-feet bgs at 1450. VOC from 7.5- to 8-feet bgs

Slight product on groundwater at 7.5-feet bgs. Slight odors 6- to 8.5-feet bgs

Bottom of boring at 5/30/2019 2:45 PM


| | | | | | |
|---|--|--|--|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum 14.05-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/30/19 | | Date Finished 5/30/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|---------------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | Asphalt | 0 | | | | | | 0 | Started Drilling at 5/30/2019 3:33 PM |
| | | Tannish brown f-c SAND, some concrete, some brick, trace silt, trace f-c gravel (dry)[FILL] | 1 | | | | | | 0 | |
| | | | 2 | | | | | | 0 | |
| | | | 3 | 1 | Macrocore | 39 | | | 0 | |
| | | Tannish brown f-c SAND, some silt, trace brick, trace concrete, trace f-c gravel (moist)[FILL] | 4 | | | | | | 0.2 | |
| | | Dark brown f-c SAND, trace concrete, trace silt, trace f-c gravel (moist)[FILL] | 5 | | | | | | 0.3 | |
| | | Dark brown f-c SAND, trace concrete, trace brick, trace silt, trace f-c gravel (moist)[FILL] | 6 | | | | | | 6.7 | |
| | | | 7 | | | | | | 7.5 | |
| | | Dark brown f-c SAND, some silt, trace concrete, trace brick, trace f-c gravel (wet)[FILL] | 8 | 2 | Macrocore | 35 | | | 24.2 | |
| | | | 9 | | | | | | 6.8 | |
| | | | 10 | | | | | | 50.5 | |
| | | | 11 | 3 | Macrocore | 12 | | | 49.9 | |
| | | | 12 | | | | | | 50 | |
| | | | 13 | | | | | | 4 | |
| | | | 14 | | | | | | 7 | |
| | | | 15 | | | | | | 5 | |
| | | | 16 | | | | | | 3 | |
| | | | 17 | | | | | | 1 | |
| | | | 18 | | | | | | 7 | |
| | | | 19 | | | | | | 7.5 | |
| | | | 20 | | | | | | 7 | |
| | | | | | | | | | 4 | |
| | | | | | | | | | | Slight odors 10- to 12-foot bgs |
| | | | | | | | | | | Bottom of boring at 5/30/2019 4:07 PM |

| | | | | | |
|---|--|---------------------|--|--|---------------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.23-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/30/19 | | Date Finished 6/4/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | Weight (lbs) --- | Drop (in) --- | | Water Level (ft.) First 5 |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|--|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
|  | 0 | Asphalt | 0 | | | | | | 0 | Started Drilling at 5/31/2019 9:05 AM LSV-2 offset to 3-feet bgs. 012/LSB-29 collected from 3- to 5-feet bgs at 0930. VOCs from 3- to 3.5-feet bgs Bottom of boring at 5/31/2019 9:35 AM |
| | 1 | Brown f-c SAND, trace brick, trace concrete, trace silt, trace f-c gravel [FILL] | 1 | | | | | | 0 | |
| | 2 | Brownish white to orangish brown f-c SAND, some silt, trace wood, trace slag, trace concrete, trace brick (moist)[FILL] | 2 | | | | | | 0 | |
| | 3 | | 3 | 1 | Macrocore | 41 | | | 0 | |
| | 4 | | 4 | | | | | | 0 | |
| | 5 | Tannish brown f-m SAND, trace concrete, trace silt, trace coarse sand, trace f-c gravel (wet)[FILL] | 5 | | | | | | 0 | |
| | 6 | | 6 | | | | | | 0 | |
| | 7 | Gray f-m SAND, some coarse sand, trace concrete, trace silt, trace f-c gravel (wet)[FILL] | 7 | | | | | | 0 | |
| | 8 | | 8 | | | | | | 0 | |
| | 9 | | 9 | | | | | | 0 | |
| | 10 | Gray f-m SAND, some coarse sand, trace concrete, trace wood, trace silt, trace f-c gravel (wet)[FILL] | 10 | | | | | | 0 | |
| | 11 | | 11 | | | | | | 0 | |
| | | 12 | 3 | Macrocore | 20 | | | 0 | | |
| | | 13 | | | | | | 0 | | |
| | | 14 | | | | | | 0 | | |
| | | 15 | | | | | | 0 | | |
| | | 16 | | | | | | 0 | | |
| | | 17 | | | | | | 0 | | |
| | | 18 | | | | | | 0 | | |
| | | 19 | | | | | | 0 | | |
| | | 20 | | | | | | 0 | | |

| | | | | | |
|---|------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.61-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 6/4/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 8 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | 0 | Asphalt | 0 | | | | | | 0 | Started Drilling at 5/31/2019 10:35 AM 013/LSB-30 collected from 6 to 8-feet at 1100. VOCs collected from 7- to 7.5-feet Bottom of boring at 6/4/2019 10:41 AM |
| | 1 | Brown f-c SAND, some brick, trace concrete, trace silt, trace f-c gravel (dry)[FILL] | 1 | 1 | Macrocore | 37 | | | 0 | |
| | 2 | | 2 | | | | | | 0 | |
| | 3 | | 3 | | | | | | 0 | |
| | 4 | Orangish brown f-c SAND, trace concrete, trace brick, trace f-c gravel (moist)[FILL] | 4 | | | | | | 0 | |
| | 5 | Brown f-c SAND, trace concrete, trace brick, trace silt, trace f-c gravel (moist)[FILL] | 5 | | | | | | 0 | |
| | 6 | | 6 | | | | | | 0 | |
| | 7 | | 7 | | | | | | 0 | |
| | 8 | Brown f-m SAND, some coarse sand, trace concrete, trace silt, trace coarse gravel (wet)[FILL] | 8 | 2 | Macrocore | 37 | | | 0 | |
| | 9 | | 9 | | | | | | 0 | |
| | 10 | Brown f-m SAND, some coarse sand, trace concrete, trace brick, trace silt, trace coarse gravel (wet)[FILL] | 10 | | | | | | 0 | |
| | 11 | | 11 | 3 | Macrocore | 22 | | | 0 | |
| 12 | | 12 | | | | | | 0 | | |
| 13 | | 13 | | | | | | 0 | | |
| 14 | | 14 | | | | | | 0 | | |
| 15 | | 15 | | | | | | 0 | | |
| 16 | | 16 | | | | | | 0 | | |
| 17 | | 17 | | | | | | 0 | | |
| 18 | | 18 | | | | | | 0 | | |
| 19 | | 19 | | | | | | 0 | | |
| 20 | | 20 | | | | | | 0 | | |

| | | | | | |
|---|--|--|--|--|-------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 16.43-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 6/4/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|--|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) | |
| | | Asphalt | 0 | | | | | | | Started Drilling at 5/31/2019 12:06 PM | |
| | | Brown f-c SAND, some brick, trace concrete, trace silt, trace f-c gravel (dry)[FILL] | 1 | | | | | | | | |
| | | White to gray f-c SAND, some silt, trace slag, trace glass, trace concrete, trace f-c gravel (moist)[FILL] | 2 | 1 | Macrocore | 30 | | | | | |
| | | Tannish brown f-m SAND, trace coarse sand, trace coarse gravel (moist)[FILL] | 3 | | | | | | | | |
| | | Tannish brown f-m SAND, trace coarse sand, trace coarse gravel (moist)[FILL] | 4 | | | | | | | | |
| | | Orangish brown f-c SAND, trace wood, trace concrete, trace slag, trace silt, trace f-c gravel (moist)[FILL] | 5 | | | | | | | | |
| | | Orangish brown f-c SAND, trace wood, trace concrete, trace slag, trace silt, trace f-c gravel (moist)[FILL] | 6 | | | | | | | | |
| | | Orangish brown f-c SAND, trace wood, trace concrete, trace slag, trace silt, trace f-c gravel (moist)[FILL] | 7 | | 2 | Macrocore | 15 | | | | 014/LSB-31 from 7 to 9 at 1230. VOCs from 8 to 8.5 |
| | | Orangish brown f-c SAND, trace wood, trace concrete, trace slag, trace silt, trace f-c gravel (wet)[FILL] | 8 | | | | | | | | |
| | | No Recovery | 9 | | | | | | | | |
| | | | 10 | | | | | | | | |
| | | | 11 | | 3 | Macrocore | 0 | | | | |
| | | 12 | | | | | | | | Bottom of boring at 6/4/2019 10:40 AM | |
| | | 13 | | | | | | | | | |
| | | 14 | | | | | | | | | |
| | | 15 | | | | | | | | | |
| | | 16 | | | | | | | | | |
| | | 17 | | | | | | | | | |
| | | 18 | | | | | | | | | |
| | | 19 | | | | | | | | | |
| | | 20 | | | | | | | | | |

| | | | | | |
|---|--|--|---|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 14.5-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 5/31/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|-----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist B/Join | PID Reading (ppm) | |
| | | Asphalt | 0 | | | | | 0.0 | Started Drilling at 5/31/2019 1:30 PM |
| | | Brown f-c SAND some brick, concrete, trace silt, f-c gravel, wood, styrofoam (dry) [FILL] | 1 | 1 | MACROCORE | 36 | | 0.0 | |
| | | Concrete | 2 | | | | | 0.0 | |
| | | Brown f-m SAND some c sand, trace silt, asphalt, concrete (moist) [FILL] | 3 | | | | | 0.0 | |
| | | Brown f-m SAND some c sand, trace silt, asphalt, concrete (moist) [FILL] | 4 | | | | | 0.0 | |
| | | Refusal at 4-feet bgs x 6. | 5 | | | | | 0.0 | |
| | | | 6 | | | | | 0.0 | |
| | | | 7 | 2 | MACROCORE | 20 | | 0.0 | |
| | | Brown f-m SAND some c sand, trace silt, asphalt, concrete (moist) [FILL] Brown f SAND (moist) [FILL] | 8 | | | | | 0.0 | |
| | | Brown f-m SAND some c sand, trace silt, asphalt, concrete (moist) [FILL] Brown f SAND (moist) [FILL] | 9 | | | | | 0.0 | |
| | | Black to brown f-c SAND trace silt, concrete, f-c gravel, brick, concrete (wet) [FILL] | 10 | | | | | 0.2 | |
| | | | 11 | 3 | MACROCORE | 10 | | 0.7 | |
| | | | 12 | | | | | 0.9 | |
| | | | 13 | | | | | 0.3 | |
| | | | 14 | | | | | | |
| | | | 15 | | | | | | |
| | | | 16 | | | | | | |
| | | | 17 | | | | | | |
| | | | 18 | | | | | | |
| | | | 19 | | | | | | |
| | | | 20 | | | | | | |

Slight odors, product, sheen from 10 to 12-feet bgs
015/LSB-32 from 10- to 12-feet bgs at 1410. VOCs from 11- to 11.5-feet bgs
Bottom of boring at 5/31/2019 1:50 PM

| | | | | | |
|---|------------------|--------------------------|--|--|--|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 12.78-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 5/31/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- Core --- |
| Casing Diameter (in) --- | | Casing Depth (ft) --- | Water Level (ft.) First ∇ 7 | | Completion ∇ --- 24 HR. ∇ --- |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | Drilling Foreman RJ Singh | | |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Field Engineer Allyson Kritzer | | |
| Casing Hammer --- | Weight (lbs) --- | Drop (in) --- | | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|---|-------------|-------------|-----------|-------------|----------------|---------|---|---------------------------------------|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | Asphalt | 0 | | | | | | 0.0 | Started Drilling at 5/31/2019 3:45 PM |
| | | Brown f-m SAND, some coarse sand, some concrete, trace f-c gravel, trace brick, trace wood (dry) [FILL] | 1 | 1 | MACROCORE | 41 | | | 0.0 | |
| | | Orangish brown f-c SAND trace silt, trace concrete, trace asphalt, trace f-c gravel (moist) [FILL] | 2 | | | | | | 0.0 | |
| | | White to gray f-c SAND, some silt, trace concrete, trace brick, trace f-c gravel (moist) [FILL] | 3 | | | | | | 0.0 | |
| | | Brown f SAND, trace m-c sand (wet) [FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | | 7 | 2 | MACROCORE | 15 | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | Gray f-m SAND, trace coarse sand, trace brick, trace f gravel (wet) [FILL] | 10 | | | | | | 0.0 | |
| | | Gray f-m SAND, trace coarse sand, trace brick, trace f gravel (wet) [FILL] | 11 | 3 | MACROCORE | 16 | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |
| | | | | | | | | | | Bottom of boring at 5/31/2019 4:05 PM |

| | | | | | |
|---|--|--|--|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.82-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 5/31/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples 3 | | Disturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Undisturbed --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | PID Reading (ppm) | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) |
|-----------------|------------|---|-------------|-------------|-----------|-------------|-----------------------|-------------------|---|
| | | | | Number | Type | Recov. (in) | Penetr. resist. BL/ft | | |
| | | Asphalt | 0 | | | | | 0.0 | Started Drilling at 5/31/2019 4:15 PM |
| | | Brown f-c SAND some brick, trace wood, trace silt, trace concrete, trace f-c gravel (dry) [FILL] | 1 | | | | | 0.0 | |
| | | White to gray f-c SAND trace silt, trace concrete, trace asphalt, trace slag, trace f-c gravel (dry) [FILL] Orangish brown f-c SAND trace silt, trace concrete, trace asphalt, trace slag, trace f-c gravel (moist) [FILL] | 2 | 1 | MACROCORE | 40 | | 0.0 | |
| | | Orangish brown f SAND trace m-c sand, trace silt (moist) [FILL] | 3 | | | | | 0.0 | |
| | | Gray to brown f-c SAND trace silt, trace concrete, trace porcelain, trace brick (moist) [FILL] | 4 | | | | | 0.0 | |
| | | Gray to brown f-c SAND trace silt, trace concrete, trace porcelain, trace brick (wet) [FILL] | 5 | | | | | 0.0 | |
| | | Gray to white f-c SAND trace wood, trace fine gravel, trace silt (wet) [FILL] | 6 | | | | | 0.0 | |
| | | | 7 | 2 | MACROCORE | 20 | | 0.0 | |
| | | | 8 | | | | | 0.0 | |
| | | | 9 | | | | | 0.0 | |
| | | | 10 | | | | | 0.0 | |
| | | | 11 | 3 | MACROCORE | 8 | | 0.0 | |
| | | | 12 | | | | | 0.0 | Bottom of boring at 5/31/2019 4:30 PM |
| | | | 13 | | | | | | |
| | | | 14 | | | | | | |
| | | | 15 | | | | | | |
| | | | 16 | | | | | | |
| | | | 17 | | | | | | |
| | | | 18 | | | | | | |
| | | | 19 | | | | | | |
| | | | 20 | | | | | | |

| | | | | | |
|---|--|--|--|--|--------------------------|
| Project 280 West 155th Street | | | Project No. 100765102 | | |
| Location New York, New York | | | Elevation and Datum Approx. 15.18-ft NAVD88 | | |
| Drilling Company Aquifer Drilling & Testing | | | Date Started 5/31/19 | | Date Finished 5/31/19 |
| Drilling Equipment Geoprobe 7822 DT | | | Completion Depth 12 ft | | Rock Depth --- |
| Size and Type of Bit 2in Stainless Steel Direct Push | | | Number of Samples Disturbed 3 | | Undisturbed --- |
| Casing Diameter (in) --- | | | Casing Depth (ft) --- | | Core --- |
| Casing Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| Sampler 1.75 in x 5 ft Acetate Lined Macrocore | | | Drilling Foreman RJ Singh | | |
| Sampler Hammer --- | | | Weight (lbs) --- | | Drop (in) --- |
| | | | Field Engineer Allyson Kritzer | | |

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| MATERIAL SYMBOL | Elev. (ft) | Sample Description | Depth Scale | Sample Data | | | | | Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.) | |
|-----------------|------------|--|-------------|-------------|-----------|-------------|----------------|---------|---|--|
| | | | | Number | Type | Recov. (in) | Penetr. resist | BL/Join | | PID Reading (ppm) |
| | | Asphalt | 0 | | | | | | 0.0 | Started Drilling at 5/31/2019 4:40 PM 018/LSB-35 from 5.5- to 7.5-foot bgs at 1655. VOCs from 5.5- to 6-foot bgs Bottom of boring at 5/31/2019 5:00 PM |
| | | Brown f-c SAND, some brick, trace silt, trace f-c gravel, trace concrete, trace asphalt (dry) [FILL] | 1 | 1 | MACROCORE | 40 | | | 0.0 | |
| | | Brown f SAND, trace m-c sand (moist) [FILL] | 2 | | | | | | 0.0 | |
| | | Gray to brown f-c SAND, trace silt, trace asphalt, trace concrete, trace f-c gravel (moist) [FILL] | 3 | | | | | | 0.0 | |
| | | Gray to brown f-m SAND, some c sand, trace f-c gravel, trace silt, trace concrete (wet) [FILL] | 4 | | | | | | 0.0 | |
| | | | 5 | | | | | | 0.0 | |
| | | | 6 | | | | | | 0.0 | |
| | | | 7 | 2 | MACROCORE | 30 | | | 0.0 | |
| | | | 8 | | | | | | 0.0 | |
| | | | 9 | | | | | | 0.0 | |
| | | No Recovery | 10 | | | | | | 0.0 | |
| | | | 11 | 3 | MACROCORE | 0 | | | 0.0 | |
| | | | 12 | | | | | | 0.0 | |
| | | | 13 | | | | | | 0.0 | |
| | | | 14 | | | | | | 0.0 | |
| | | | 15 | | | | | | 0.0 | |
| | | | 16 | | | | | | 0.0 | |
| | | | 17 | | | | | | 0.0 | |
| | | | 18 | | | | | | 0.0 | |
| | | | 19 | | | | | | 0.0 | |
| | | | 20 | | | | | | 0.0 | |

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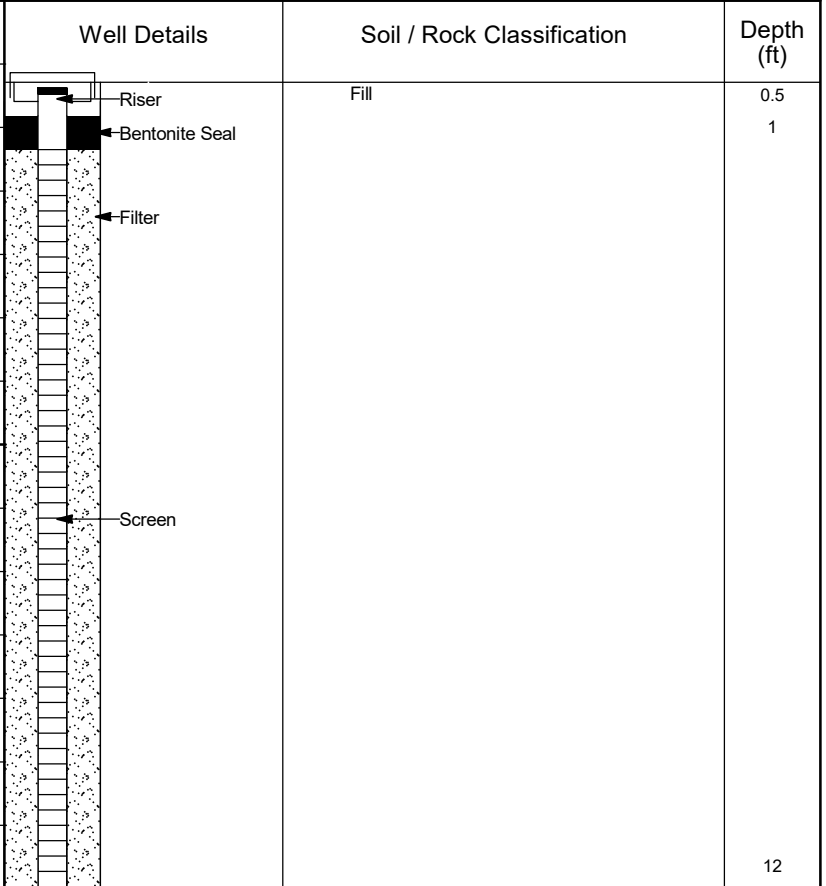
| | | | |
|----------------------|----------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 14.24 ft NAVD88 |
| Drilling Agency | Aquifer Drilling & Testing | Date Started | 5/30/2019 |
| | | Date Finished | 5/30/2019 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | RJ Singh |
| Size And Type of Bit | 2-inch | Inspector | Allyson Kritzer |

Method of Installation
 Soil boring drilled to 15' bgs with a 2" stainless steel macrocore. Bottom of drilled soil boring backfilled with non-impacted drill cuttings to 12' bgs. 10-feet of Schedule-40, 0.020-inch slotted 1-inch diameter PVC screen was installed from 2-12' bgs. No filter was installed due to cave in. A 0.5-foot bentonite seal was installed from 0.5-1' bgs. Manhole installed and secured with concrete.

Method of Well Development
 LMW-1 was not developed during the 2019 Phase II EI. LMW-1 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments during the 2020 RI. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|-----------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | Non-Impacted Drill Cuttings |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 1-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 2-inch | | None |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 14.24' | 0' bgs |
| Top of Seal | Elevation | Depth |
| | 13.74' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | | |
| Top of Screen | Elevation | Depth |
| | 13.24' | 1' bgs |
| Bottom of Filter | Elevation | Depth |
| | 2.24' | 12' bgs |
| Bottom of Well | Elevation | Depth |
| | 2.24' | 12' bgs |
| Screen Length | | Slot Size |
| 11.0' | | 0.020 |



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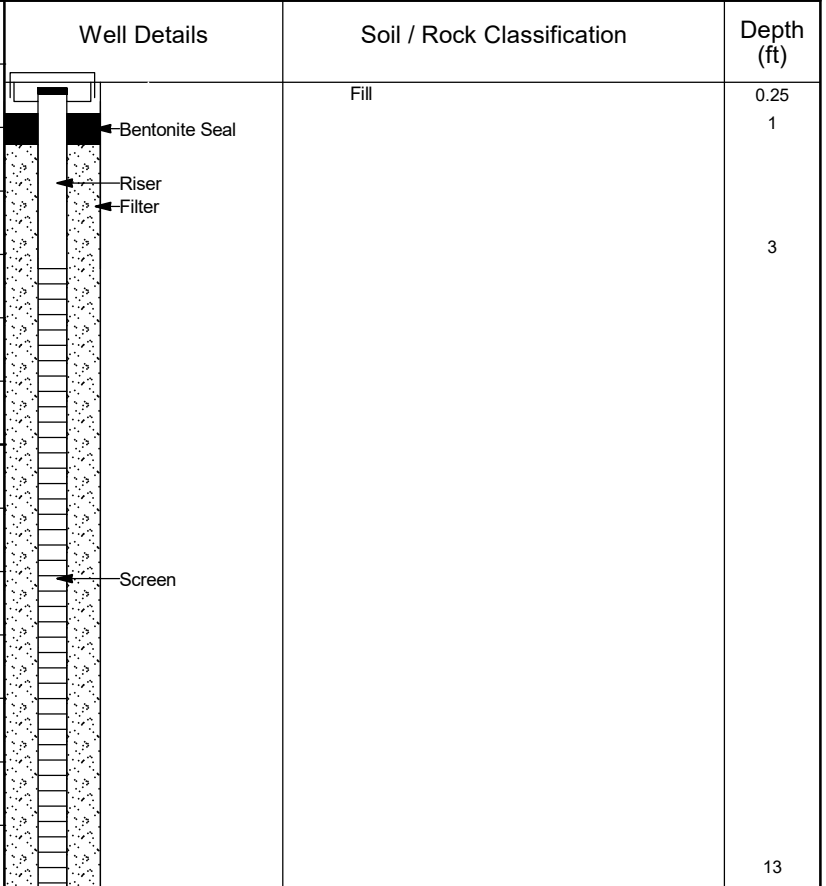
| | | | |
|----------------------|----------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 15.15 ft NAVD88 |
| Drilling Agency | Aquifer Drilling & Testing | Date Started | 5/30/2019 |
| | | Date Finished | 5/30/2019 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | RJ Singh |
| Size And Type of Bit | 2-inch | Inspector | Allyson Kritzer |

Method of Installation
 Soil boring drilled to 15' bgs with a 2" stainless steel macrocore. Bottom of drilled soil boring backfilled with non-impacted drill cuttings to 13' bgs. 10-feet of Schedule-40, 0.020-inch slotted 1-inch diameter PVC screen was installed from 3-13' bgs. No filter was installed due to cave in. A 0.5-foot bentonite seal was installed from 0.5-1' bgs. Manhole installed and secured with concrete.

Method of Well Development
 LMW-2 was not developed during the 2019 Phase II EI. LMW-2 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments during the 2020 RI. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|-----------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | Non-Impacted Drill Cuttings |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 1-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 2-inch | | None |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 14.90' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 14.65' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 14.15' | 1' bgs |
| Top of Screen | Elevation | Depth |
| | 12.15' | 3' bgs |
| Bottom of Filter | Elevation | Depth |
| | 2.15' | 13' bgs |
| Bottom of Well | Elevation | Depth |
| | 2.15' | 13' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



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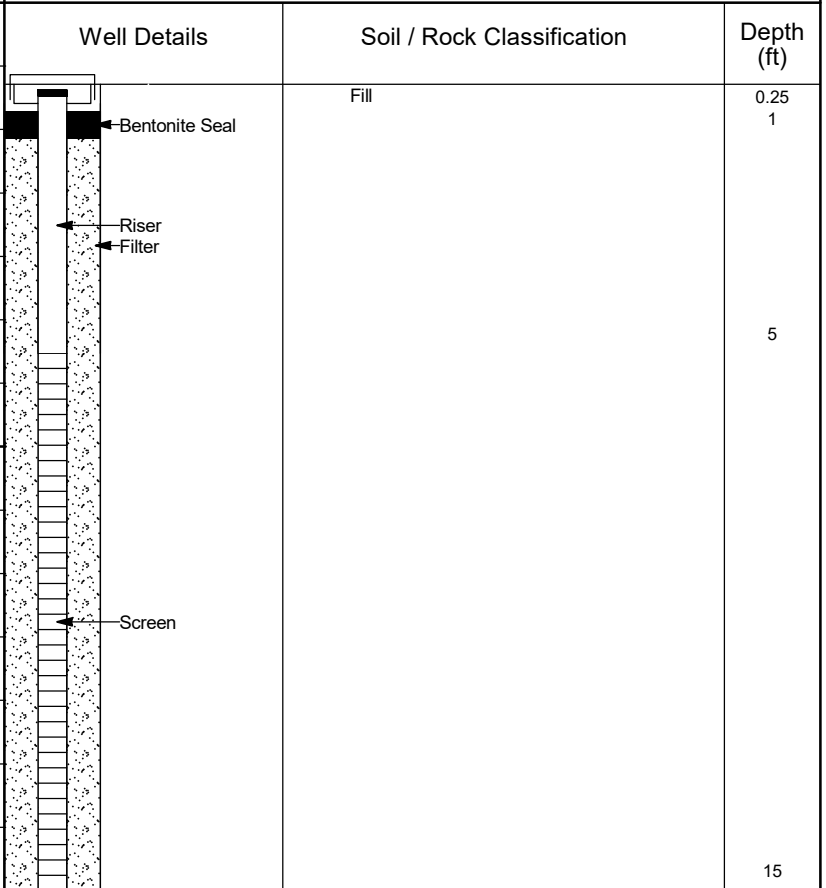
| | | | |
|----------------------|----------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 15.91 ft NAVD88 |
| Drilling Agency | Aquifer Drilling & Testing | Date Started | 5/30/2019 |
| | | Date Finished | 5/30/2019 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | RJ Singh |
| Size And Type of Bit | 2-inch | Inspector | Allyson Kritzer |

Method of Installation
 Soil boring drilled to 15' bgs with a 2" stainless steel macrocore. 10-feet of Schedule-40, 0.020-inch slotted 1-inch diameter PVC screen was installed from 5-15' bgs. No filter was installed due to cave in. A 0.5-foot bentonite seal was installed from 0.5-1' bgs. Manhole installed and secured with concrete.

Method of Well Development
 LMW-3 was not developed during the 2019 Phase II EI. LMW-3 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments during the 2020 RI. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|---------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | None |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 1-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 2-inch | | None |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 15.66' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 15.41' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 14.91' | 1' bgs |
| Top of Screen | Elevation | Depth |
| | 10.91' | 5' bgs |
| Bottom of Filter | Elevation | Depth |
| | 0.91' | 15' bgs |
| Bottom of Well | Elevation | Depth |
| | 0.91' | 15' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



| GROUNDWATER ELEVATIONS (ft) | | |
|-----------------------------------|-------|----------|
| (Measured from the Top of Casing) | | |
| Elevation | DTW | Date |
| 7.71' | 7.95' | 6/3/2019 |
| Elevation | DTW | Date |
| 6.35' | 9.31' | 9/2/2020 |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |

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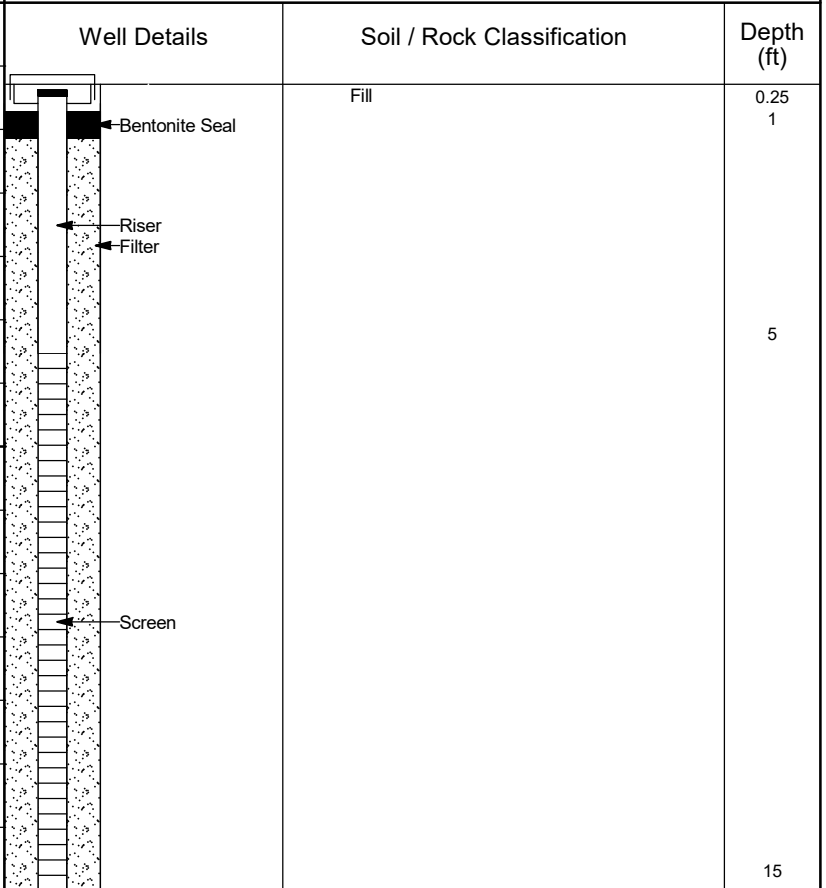
| | | | |
|----------------------|----------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 15.92 ft NAVD88 |
| Drilling Agency | Aquifer Drilling & Testing | Date Started | 5/30/2019 |
| | | Date Finished | 5/30/2019 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | RJ Singh |
| Size And Type of Bit | 2-inch | Inspector | Allyson Kritzer |

Method of Installation
 Soil boring drilled to 15' bgs with a 2" stainless steel macrocore. 10-feet of Schedule-40, 0.020-inch slotted 1-inch diameter PVC screen was installed from 5-15' bgs. No filter was installed due to cave in. A 0.5-foot bentonite seal was installed from 0.5-1' bgs. Manhole installed and secured with concrete.

Method of Well Development
 LMW-4 was not developed during the 2019 Phase II EI. LMW-4 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments during the 2020 RI. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|---------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | None |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 1-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 2-inch | | None |

| Top of Casing | Elevation | Depth |
|------------------|-----------|-----------|
| | 15.67' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 15.42' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 14.92' | 1' bgs |
| Top of Screen | Elevation | Depth |
| | 10.92' | 5' bgs |
| Bottom of Filter | Elevation | Depth |
| | 0.92' | 15' bgs |
| Bottom of Well | Elevation | Depth |
| | 0.92' | 15' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



GROUNDWATER ELEVATIONS (ft)
 (Measured from the Top of Casing)

| Elevation | DTW | Date |
|-----------|--------|----------|
| 6.47' | 9.2' | 6/3/2019 |
| 5.59' | 10.08' | 9/2/2020 |
| Elevation | DTW | Date |
| Elevation | DTW | Date |
| Elevation | DTW | Date |
| Elevation | DTW | Date |

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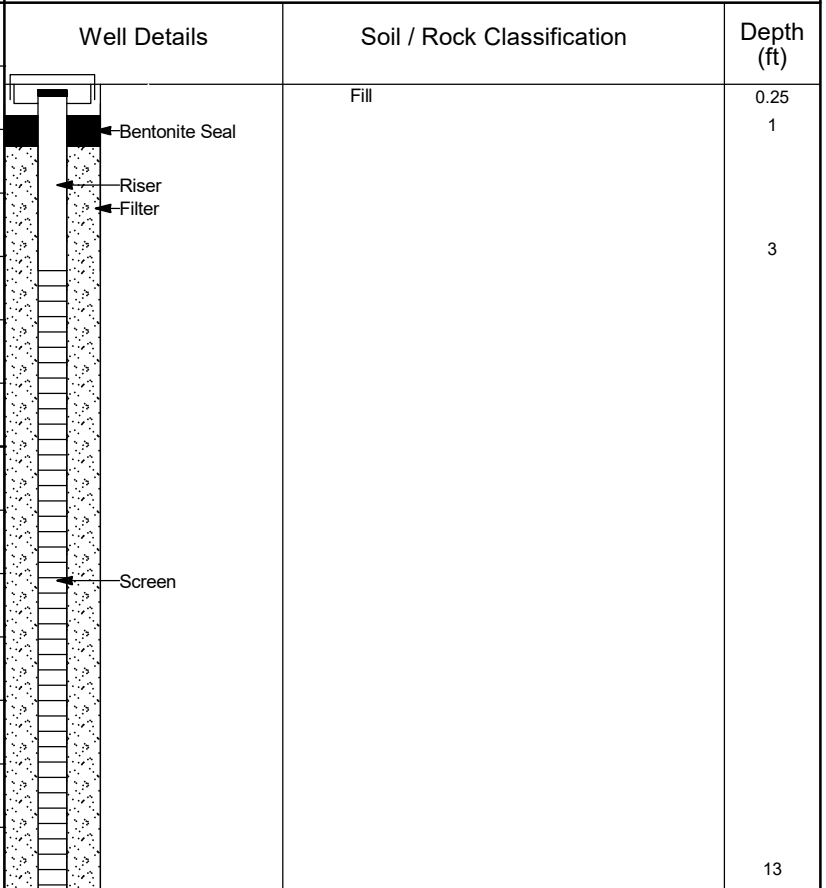
| | | | |
|----------------------|----------------------------|---------------------|-----------------|
| Project | 280 West 155th Street | Project No. | 100765102 |
| Location | New York, New York | Elevation And Datum | 14.05 ft NAVD88 |
| Drilling Agency | Aquifer Drilling & Testing | Date Started | 5/30/2019 |
| | | Date Finished | 5/30/2019 |
| Drilling Equipment | Geoprobe 7822 DT | Driller | RJ Singh |
| Size And Type of Bit | 2-inch | Inspector | Allyson Kritzer |

Method of Installation
 Soil boring drilled to 13' bgs with a 2" stainless steel macrocore. 10-feet of Schedule-40, 0.020-inch slotted 1-inch diameter PVC screen was installed from 3-13' bgs. No filter was installed due to cave in. A 0.5-foot bentonite seal was installed from 0.5-1' bgs. Manhole installed and secured with concrete.

Method of Well Development
 LMW-5 was not developed during the 2019 Phase II EI. LMW-5 was developed using surge pumping techniques across the well screen in 2- to 3-foot increments during the 2020 RI. After surging, the well was purged via pumping until the water became clear. Purge water was collected in 55-gallon drums for future offsite disposal.

| | | |
|-------------------|----------|---------------------------|
| Type of Casing | Diameter | Type of Backfill Material |
| -- | -- | None |
| Type of Screen | Diameter | Type of Seal Material |
| Schedule-40 PVC | 1-inch | Bentonite |
| Borehole Diameter | | Type of Filter Material |
| 2-inch | | None |

| | | |
|------------------|-----------|-----------|
| Top of Casing | Elevation | Depth |
| | 13.80' | 0.25' bgs |
| Top of Seal | Elevation | Depth |
| | 13.55' | 0.5' bgs |
| Top of Filter | Elevation | Depth |
| | 13.05' | 1' bgs |
| Top of Screen | Elevation | Depth |
| | 11.05' | 3' bgs |
| Bottom of Filter | Elevation | Depth |
| | 1.05' | 13' bgs |
| Bottom of Well | Elevation | Depth |
| | 1.05' | 13' bgs |
| Screen Length | | Slot Size |
| 10.0' | | 0.020 |



GROUNDWATER ELEVATIONS (ft)
 (Measured from the Top of Casing)

| | | |
|-----------|-------|----------|
| Elevation | DTW | Date |
| 6.25' | 7.55' | 9/2/2020 |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |
| Elevation | DTW | Date |
| | | |