REMEDIAL INVESTIGATION REPORT

for

691 Lenox Avenue – Phase 1
New York, New York
BCP Site No. C231145

Prepared for:

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Langan Project No.: 170635401

LANGAN

CERTIFICATION

I, Jason J. Hayes, certify that I am currently a Qualified Environmental Professional as defined in Title 6 of the New York Codes, Rules, and Regulations (6 NYCRR) Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Jason J. Hayes, P.E., LEED AP

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LIST OF ACRONYMS

Acronym	Definition
Alpha	Alpha Analytical Inc.
AOC	Area of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
BCP	Brownfield Cleanup Program
bgs	Below grade surface
CAMP	Community Air Monitoring Program
CP-51	Commissioner's Policy-51
CSM	Conceptual Site Model
DER	Division of Environmental Remediation
DER-10	Technical Guidance for Site Investigation and Remediation
DUSR	Data Usability Summary Report
EC	Engineering Controls
el.	Elevation (NAVD88)
ELAP	Environmental Laboratory Approval Program
ESI	Environmental Site Investigation
eV	Electron volt
fBTOC	Feet below top of casing
FEMA	Federal Emergency Management Agency
FWRIA	Fish and Wildlife Resources Impact Analysis
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
IC	Institutional Controls
IDW	Investigation Derived Waste
Langan	Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
MCL	Maximum contaminant level
mg/kg	Milligram per kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAPL	Non-Aqueous Phase Liquid
NAVD88	North American Vertical Datum of 1988
NOVA	NOVA Geophysical Engineering
NYCDCP	New York City Department of City Planning
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDEC SGVs	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA water
NYSDOH	New York State Department of Health

Acronym	Definition
PCB	Polychlorinated Biphenyl
PBS	Petroleum Bulk Storage
PCE	Tetrachloroethene
PFAS	Perfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic acid
PGW	Protection of Groundwater
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppm	Parts per million
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RL	Reporting limit
RPD	Relative percent differences
RURR	Restricted Use Restricted-Residential Use
SCL	Soil Cleanup Levels
SCO	Soil Cleanup Objective
SVOC	Semivolatile organic compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
UN/DOT	United Nations/Department of Transportation
USEPA	United State Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tanks
UU	Unrestricted Use
VOC	Volatile Organic Compound
York	York Analytical Laboratories, Inc.
µg/L	Micrograms per liter
µg/m^3	Micrograms per cubic meter
6 NYCRR	Title 6 of the New York Codes, Rules, and Regulations

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Remedial Investigation Report (RIR) on behalf One45 Lenox LLC (the Volunteer) for the property known as 691 Lenox Avenue – Phase 1 in New York, New York (the site). The requestor was accepted into the New York State Brownfield Cleanup Program (BCP) as a Volunteer, and the site was assigned BCP Site No. C231145. A Brownfield Cleanup Agreement (BCA) was executed on February 01, 2022.

This RIR presents environmental data and findings from the Remedial Investigation (RI) that was implemented by Langan between February 2023 and March 2024 in accordance with the July 19, 2022 Remedial Investigation (RIWP) prepared by Langan. The investigation was conducted in accordance with Title 6 New York Codes, Rules and Regulations (NYCRR) Part 375-1, 3.8, 6.8, "DER-10: Technical Guidance for Site Investigation and Remediation" (May 2010), New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006, with subsequent updates) (NYSDOH Soil Vapor Guidance), and the NYSDEC "Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs" (April 2023).

The objectives and goals of this RIR are to:

- Define the nature and extent of contamination in all subsurface media at the site;
- Evaluate whether subsurface contamination is emanating from the site;
- Generate sufficient data to evaluate the remedial action alternatives and prepare a Remedial Action Work Plan (RAWP) to be implemented concurrently with site redevelopment; and
- Generate sufficient data (both on-site and off-site, as necessary) to evaluate the actual and potential corresponding threats to human health and the environment.

The remainder of this report is organized as follows:

- Section 2.0 describes the setting and physical characteristics of the site.
- Section 3.0 describes the site background, including results of previous investigations and identified areas of concern (AOCs).
- Section 4.0 presents the investigation field procedures.
- Section 5.0 describes the field observations and analytical results.
- Section 6.0 presents an assessment of the exposure risks of site contaminants to human, fish, and wildlife receptors.
- Section 7.0 presents the nature and extent of contamination in site media as determined through the field investigation and analysis of environmental samples.

- Section 8.0 summarizes RI results of the investigation and presents conclusions based on field observations and analytical results.
- Section 9.0 presents the references used in preparation of this report.

2.0 SITE PHYSICAL CHARACTERISTICS

2.1 Site Description

The site is located in the Harlem neighborhood of New York, New York and encompasses a portion of Manhattan Block 2013, Lot 29 (formerly Lots 29 and 33 and a portion of Lot 38). The site comprises about 34,400 square feet (± 0.80 acres) in area and is part of a larger, two-part development property known as "One45". The second part of the development property, known as "691 Lenox Avenue – Phase 2", adjoins the site to the west and comprises the remainder of Lot 29 (formerly Lots 44, 50, and the remainder of former Lot 38). On June 23, 2021, prior to submission of the BCP Application, the New York City Department of Finance (NYCDOF) approved the merging of former tax Lots 29, 33, 38, 44 and 50 into the current Lot 29.

The site is currently improved with three one-story commercial buildings with storage mezzanines (former Lots 29 and 38) and an asphalt-paved parking lot (former Lot 33). The two buildings on former Lot 29 contain seven tenant spaces including a deli/grocery store (occupied), an urgent care center (occupied), an Islamic religious center (occupied), a non-profit organization (occupied), a community center (National Action Network) (occupied), a vacant retail store, and a vacant restaurant. The building on former Lot 38 contains four unoccupied tenant spaces including a vacant laundromat, two vacant restaurants, and a vacant retail store, as well as one occupied quick-serve restaurant (Dunkin Donuts). All three buildings contain partial cellars used for storage. A site location map is presented as Figure 1 and a site plan is presented as Figure 2.

The site is bound by West 145th Street followed by a multi-story mixed residential building and a self-storage facility to the north; Lenox Avenue followed by Colonel Charles Young Playground to the east; multi-story residential buildings (owned and operated by the New York City Housing Authority [NYCHA]) and West 144th Street, followed by multi-family residential buildings, a church, and community center to the south; and the 691 Lenox Avenue – Phase 2 development property (BCP Site No. C231146), followed by a mixed-use residential and commercial building and Adam Clayton Powell Jr Boulevard to the west.

2.1.1 Description of Surrounding Properties

According to the New York City Department of City Planning (NYCDCP) Zoning Map 6A, dated May 27, 2021, the site is currently located in a C8-3 commercial district and R7-2/C1-4 mixed-use district. The following is a summary of adjoining and surrounding property usage:

Direction	Parcel Number	Adjoining Properties	Surrounding Properties
North	Block 2014, Lot 21	West 145th Street followed by a self-storage facility (119 West 145th Street)	Commercial/office buildings and West 146th Street followed by a NYC Transit Bus Depot
	Block 2014, Lot 29	West 145th Street followed by a multi-story mixed residential/commercial building (703-705 Lenox Avenue)	
South	Block 2013, Lot 24 and 26	Two multi-story NYCHA residential buildings (109 to 114 West 144th Street)	Multi-story commercial and residential buildings
	Block 2012, Lot 25	West 144th Street followed by a church, and community center (107 West 143rd Street)	
East	Block 1741, Lot 1	Lenox Avenue followed by Colonel Charles Young Playground, a public park	Colonel Charles Young Playground followed by the Harlem River
West	Block 2013, portion of Lot 29 (former Lot 44)	A one-story commercial building, a vacant unoccupied building, and canopy associated with a former gasoline filling station (691 Lenox Avenue - One45 Phase 2 development property, BCP Site No. C231146)	Active gasoline filling station followed by multi-family residential buildings

Land use within a half-mile radius is urban in nature and includes multi-story residential buildings, some with ground-level retail stores and restaurants; school and day care facilities; parking lots; office buildings; and small-scale commercial, industrial and manufacturing facilities. A land use map is included as Figure 3. The adjoining parcels are used for residential and commercial purposes, with the surrounding area generally consisting of residential, commercial, light industrial, and institutional (i.e., schools and churches) uses. The Harlem River is the closest ecological receptor and is located approximately 700 feet to the east of the site.

No schools or day care facilities are located on the site. Sensitive receptors, as defined in DER-10, within a half mile of the site include those listed below:

Number	Name (Approximate distance from site)	Address
1	P.S. 194 Countee Cullen (approximately 0.17 miles west of the site)	244 West 144th Street Manhattan, NY 10030
2	Blooming Butterflies Daycare (approximately 0.19 miles west of the site)	226 W 144th Street Manhattan, NY 10030
3	Saint Charles Borromeo School (approximately 0.20 miles southwest of the site)	218 West 142nd Street Manhattan, NY 10030
4	Ms. Erica's little Harvard (approximately 0.24 miles northwest of the site)	210 W 147th Street Manhattan, NY 10039

Number	Name (Approximate distance from site)	Address
5	Nursery North Too, Infant Daycare Center, Inc. (approximately 0.25 miles west of the site)	249 W 144th Street Manhattan, NY 10030
6	P.S. 200 The James McCune Smith School (approximately 0.26 miles northeast of the site)	2589 Adam C Powell Blvd Manhattan, NY 10039
7	Beyond Readiness Daycare (approximately 0.28 miles northwest of the site)	235 W 146th Street Manhattan, NY 10039
8	Auntie Gwens Daycare (approximately 0.32 miles northwest of the site)	2730 Frederick Douglass Boulevard Manhattan, NY10039
9	St. Mark the Evangelist School (approximately 0.32 miles south of the site	55 West 138th Street Manhattan, NY 10037
10	P.S. 123 Mahalia Jackson (approximately 0.35 miles west of the site)	301 West 140th Street Manhattan, NY 10030
11	Thurgood Marshall Academy Lower School (approximately 0.36 miles north of the site)	282 West 151st Street Manhattan, NY 10039
12	Ms. D Wonder School Daycare (approximately 0.49 miles northwest of the site)	267 W 152nd Street #3i Manhattan, NY 10039
13	My Little Sunshine 2 Daycare (approximately 0.50 miles northwest of the site)	2855 Frederick Douglass Boulevard Manhattan, NY 10039
14	P.S. 197 John B Russwurm (approximately 0.50 miles south of the site)	2230 5th Avenue Manhattan, NY 10037

2.1.2 Topography

According to a survey prepared by TrueNorth Surveyors (dated August 13, 2020), the topography of the site slopes down from the west to the east resulting in an elevation change of about 6 feet. The elevations range from about 18 feet North American Vertical Datum of 1988 (NAVD88) to about 12 feet NAVD88.

2.1.3 Stormwater Runoff and Drainage

The majority of the site footprint consists of urban land occupied with commercial buildings and an about 4,800-square-foot asphalt-paved parking lot. Any stormwater runoff from the site is expected to drain to the city sewers via catch basins located along the street curbs to the northeast of the site along West 145th Street and Lenox Avenue.

2.1.4 Wetlands and Floodplain

Wetlands on and near the site were evaluated by reviewing the National Wetlands Inventory and NYSDEC regulated wetlands map. There are no wetlands on the site. The closest mapped waterbody is the Harlem River, which is approximately 700 feet to the east of the site.

According to the Federal Emergency Management Agency (FEMA) preliminary flood insurance rate map (PFIRM) map (3604970083G) dated December 5, 2013, the site is not located in a flood zone.

2.2 Geology and Hydrogeology

2.2.1 Regional and Site Geology

According to review of the "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. Baskersville, et al., the bedrock underlying the site is Fordham Gneiss and Inwood Marble. The Inwood Marble is comprised of white calcite-dolomite marble and the Fordham Gneiss is characterized by moderate layering (banding) of black and white colored minerals consisting of hornblende, biotite, quartz, and plagioclase. The site appears to overlie the eastwardly dipping shoulder of a prominent subsurface anticline/concave fold of the two bedrock units, which manifests as a deep north-south trending bedrock trough. Bedrock was not encountered during the RI or the previously conducted September-November 2020 Phase II Environmental Site Investigation (ESI); however, bedrock was observed at depths ranging from 50 to 80 feet bgs at the site during Langan's geotechnical investigation completed in September-October 2020.

Based on the RI and Phase II ESI observations, the subsurface profile generally consists of non-native fill overlying medium-grained sand with varying amounts of gravel and silt followed by a dark grey to black clay layer. Non-native fill thickness was generally measured to vary between about 6 and 18 feet. The fill generally consists of brown to gray fine-grained sand or gravel with varying amounts of silt and anthropogenic materials (brick, coal, slag, asphalt, ceramics, wood). The fill layer is underlain by native soil consisting of varying amounts of sand, clay, gravel, silt and organics.

2.2.2 Regional and Site Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flow towards areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of non-native fill, and variability in local geology and groundwater sources or sinks.

During the Langan September-November 2020 Phase II ESI, depth to groundwater was gauged in four temporary groundwater monitoring wells and was observed between 11.58 to 13.31 feet bgs. During this RI, depth to groundwater was synoptically gauged in July 2023 in six permanent groundwater monitoring wells, and groundwater was observed at depths between 6.10 and 12.45 feet below top of well casing (bTOC) with elevations ranging from el. 6.89 to 1.29 feet NAVD88.

Groundwater at the site generally flows to the south. A groundwater elevation contour map is presented as Figure 4.

3.0 SITE BACKGROUND

This section describes historical site uses, proposed redevelopment plans, and previous environmental investigation findings. Based on this information, AOCs were established and are detailed at the end of the section.

3.1 Historical Site Use

The site was initially developed in the early 1900s with a hotel at the corner of Lenox Avenue and West 145th Street (former Lot 33). In 1939, the site was developed with auto garages and auto repair shops (former Lots 29 and 38), and a hotel and store (former Lot 33). Sanborn Maps (reviewed as part of a November 10, 2020 Phase I Environmental Site Assessment [ESA], prepared by Langan) noted one 1,000-gallon buried gasoline tank on former Lot 38; however, the exact location of the tank is unknown. One additional gasoline tank (of unknown size) was depicted on Sanborn Maps in the northern part of former Lot 29. In 1950, the auto repair shop on former Lot 29 was no longer depicted and the remaining lots remain unchanged through 2005. The hotel on former Lot 33 was demolished in 2019 and the former lot remains vacant. Former Lots 29 and 38 are currently occupied by one-story buildings with various commercial tenants and community/religious centers.

3.2 Proposed Redevelopment Plan

The Volunteer is seeking a rezoning of the site (as part of a larger area) that would allow for redevelopment including residential, retail, commercial, parking and/or community facility uses. The proposed redevelopment plan includes demolishing all existing structures and construction of one or more mixed-use (residential and commercial) buildings over a shared cellar. The residential use would include an affordable housing component. The contemplated use for purposes of the BCP would be restricted-residential.

3.3 Previous Environmental Reports

Environmental reports prepared for the site include the following:

1. *November 10, 2020 Phase I ESA Report for One45, 691 Lenox Avenue, New York, New York, prepared by Langan*
2. *February 24, 2021 Phase II ESI Report for One45 – Phase 1, New York, New York, prepared by Langan*
3. *November 19, 2020 Phase 1 Geotechnical Engineering Report for 691 Lenox Avenue (One 45), Manhattan, New York, prepared by Langan*
4. *September 22 through October 5, 2021 – Supplemental Soil Sampling Event performed by Langan*

Reports are summarized below and available reports are included in Appendix A. Previous soil, groundwater, and soil vapor sampling locations and sample analytical results are shown on Figures 9A, 9B, and 9C.

November 10, 2020 Phase I ESA Report

The Phase I ESA was prepared in accordance with ASTM International Standard Practice for Environmental Site Assessments E1527-13 and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) Rule. This Phase I ESA identified two Recognized Environmental Conditions (REC) for the site:

- REC-1: Historical Site Uses and Operations:
    - Historical site uses/operations included automobile garages and repair shops on former Lot 29 (1939 to 1950) and former Lot 38 (1939 to 2005).
    - Historical photographs from the 1940s show auto repair, oil service, radiator service, and gas stations on former Lot 38 and a tire shop on former Lot 29. The auto repair use was no longer shown on former Lot 29 in Sanborn Maps after 1950.
    - Former Lot 38 is listed in the EDR Historical Auto database as an auto and home supply store (1976 to 1977) and a gasoline service station (1978 to 1980).
    - One 1,000-gallon buried gasoline tank is noted on the 1939 historical Sanborn Map on former Lot 38; however, the exact location is not depicted. One additional gasoline tank (of unknown size) is depicted on the northern part of former Lot 29 on the 1939 Sanborn Map.
- REC-2: Historical Uses and Regulatory Listings for Adjoining and Surrounding Properties:
    - Historical uses at adjoining properties include automotive repair facilities, underground petroleum bulk storage, gasoline filling stations, car wrecking, junk yards, tire repair facilities, radiator repair facilities, and blacksmithing operations.
    - Adjoining and surrounding properties were listed in environmental databases, including the EDR Historical Auto, Enforcement and Compliance History Online (ECHO), Facility Index System (FINDS), leaking storage tanks (LTANKS), New York Spills (NY SPILLS), NY MANIFEST, NYSDEC Petroleum Bulk Storage (PBS) underground storage tank (UST) and aboveground storage tank (AST), Resource Conservation and Recovery Act (RCRA) Conditionally Exempt Small Quantity Generator (CESQG) ECHO and RCRA Small Quantity Generator (SQG) databases.

February 24, 2021 Phase II ESI Report

Langan performed a Phase II ESI to: 1) investigate RECs identified in the November 10, 2020 Phase I ESA, 2) assess potential impacts to soil, groundwater, and soil vapor at the site, and 3) evaluate eligibility for the enrollment of the site in the NYSDEC BCP. The investigation consisted of a geophysical survey, 11 soil borings, 3 temporary groundwater monitoring wells, and 2 soil vapor points and collection and laboratory analysis of 14 grab soil samples, 3 groundwater samples, and 2 soil vapor samples. The Phase II ESI field investigation was completed between September and November 2020. A summary of the Phase II ESI findings and results is presented below:

- Non-native fill was identified in all soil borings and was composed of varying amounts of sand, silt, and gravel and varying amounts of anthropogenic materials (brick, coal, slag, asphalt, ceramics, wood, and concrete) extending to depths ranging from 9 to 18 feet bgs. The fill layer is underlain by native soil, composed of varying amounts of sand, clay, gravel, silt and organics. Groundwater was observed between approximately 11.5 and 13.5 feet bgs.
- Semivolatile organic compounds (SVOC) and metals exceeded the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375, Unrestricted Use (UU) and Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO) in soil.
- SVOCs and total metals (total and dissolved) exceeded the NYSDEC Title 6 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 (collectively the NYSDEC SGVs) in groundwater.
- Petroleum-related volatile organic compounds (VOC) and chlorinated VOCs were detected in soil vapor. Soil vapor sample results were evaluated using the NYSDOH Decision Matrices and the Air Guideline Values (AGV) in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion and subsequent updates (May 2017). A comparison of carbon tetrachloride, trichloroethene (TCE) and tetrachloroethene (PCE) concentrations using the NYSDOH Decision Matrices yields recommendations ranging from "no further action" to "identify source(s) and resample or mitigate" to "mitigate." No NYSDOH air guidance value (AGV) exists for carbon tetrachloride; however, both TCE and PCE exceeded their respective AGVs in both soil vapor samples.
- The Phase II ESI demonstrates contamination exists at the site in soil, groundwater, and soil vapor at concentrations above applicable criteria for the intended future use (restricted-residential). The nature of contamination can be attributed to the history of the site and surrounding area.

November 19, 2020 Phase 1 Geotechnical Engineering Report

The geotechnical exploration advanced four borings in the sidewalk near the southwest corner of former Lot 29, within the building footprint of former Lot 33, and in the sidewalk near the northwest corner of former Lot 38 to depths between about 60 and 102 feet bgs.

The field program found that site stratigraphy includes about 10 to 12 feet of non-native fill followed by organic soils or loose sand, followed by silt and clay, dense sand, soft rock and bedrock. An approximately 5-foot-thick layer of peat and compressible organic clay was encountered beneath the observed fill layer in three borings. The fill layer consisted of fine to coarse sand with varying amounts of silt, gravel, and brick fragments. The top of bedrock was encountered about 80 feet bgs in borings advanced in the northwest and southwest parts of the site and about 50 feet bgs in borings advanced within former Lot 33 in the northeastern part of the site.

September 22 through October 5, 2021 – Supplemental Soil Sampling Event

Langan completed a supplemental soil sampling event to generate additional analytical soil data to assess soil conditions in areas of the site that were not accessible during implementation of the Phase II ESI. The investigation consisted of completion of a geophysical survey to clear boring locations and identify subsurface anomalies, advancement of 10 soil borings and collection and laboratory analysis of 16 grab soil samples. A summary of analytical soil data generated from the Supplemental Soil Sampling Event is presented below:

- SVOCs and metals were identified at concentrations above the 6 NYCRR Part 375 UU and/or RURR SCOs in 15 of the 16 samples submitted for laboratory analysis.
- Lead was identified in one sample (PH1_SB13_2-3) at a concentration above the USEPA RCRA Code of Federal Regulations (CFR) Part 261 Maximum Concentration of Contaminants for the Toxicity Characteristic.

3.4 Summary of Areas of Concern

The following AOCs represent portions of the site that required further investigation and were developed based on site observations, the site history, and the findings of the previous environmental reports. The AOCs that were investigated during the RI include the following:

AOC 1: Non-Native Fill

Non-native fill was identified from sidewalk grade to depths between 6 to 18 feet bgs and is composed of varying amounts of sand, silt, gravel, and anthropogenic materials (brick, coal, slag, asphalt, ceramics, wood, and concrete). Contaminants associated with non-native fill were identified in surficial soil samples, including SVOCs, polychlorinated biphenyls (PCB), metals exceeding the UU and/or RURR SCOs, and SVOCs exceeding the RURR SCOs. A hazardous level of lead was identified in one surficial soil sample (PH1_SB13_2-3) at a concentration above the USEPA RCRA CFR Part 261 Maximum Concentration of Contaminants for the Toxicity Characteristics.

AOC 2: Historical On- and Off-Site Use

Historical operations of environmental concern at the site include automobile garages and automotive repair shops. The site was depicted to have one gasoline tank of unknown volume in the northern part of former Lot 29 and one 1,000-gallon buried gasoline tank on former Lot 38 (location unknown). Historical off-site uses of environmental concern include automotive repair facilities, underground petroleum bulk storage, gasoline filling stations, car wrecking, junk yards, tire repair facilities, radiator repair facilities, and blacksmithing operations.

The February 24, 2021 Phase II ESI identified three chlorinated VOCs (carbon tetrachloride, TCE, and PCE) in soil vapor samples. Chlorinated VOCs were historically used in degreasing operations and are commonly associated with automotive repair operations (a historical on- and off-site use).

4.0 FIELD INVESTIGATION

The RI was conducted between February 2023 and March 2024 to investigate AOCs and to determine the nature and extent of contamination in soil, groundwater, and soil vapor at the site. The RI was completed to the extent necessary to design a remedy that will be protective of human health and the environment. The RI included advancement of soil borings; installation of groundwater monitoring wells and soil vapor probes; and collection of soil, groundwater and sub-slab vapor samples.

The RI consisted of the following:

- Geophysical survey to identify subsurface anomalies consistent with utilities, substructures, physical obstructions, and USTs, and to pre-clear sampling locations;
- Advancement of seven soil borings (PH1_SB20 through PH1_SB26) and collection of 19 soil samples plus quality assurance/quality control (QA/QC) samples;
- Advancement of three delineation soil borings (PH1_SB21A, PH1_SB27 and PH1_SB28) and collection of 12 soil samples plus QA/QC samples;
- Collection of one surface soil sample (0-to-2-inch interval) in the northeastern corner of the site to characterize exposed soil/fill that was not under an impervious cover.
- Installation of seven groundwater monitoring wells (PH1_MW04, PH1_MW16, PH1_MW_19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26) and collection of seven groundwater samples plus QA/QC samples;
- Installation of four soil vapor points and collection of four soil vapor samples, two co-located indoor air samples, and one ambient air sample; and
- Survey and synoptic groundwater gauging of the newly installed monitoring wells at the site to evaluate the elevation and flow of site groundwater.

A summary of the samples collected for laboratory analysis is provided as Table 1. Sample locations are shown on Figure 5. Each component of the RI is further described in the following sections. Daily field reports are provided in Appendix B. A photograph log documenting this investigation is included as Appendix C. Community air monitoring program data is provided in Appendix D.

4.1 Geophysical Investigation and Utility Location

On February 6, 2023, prior to ground-intrusive field activities, NOVA Geophysical Engineering (NOVA) of Douglaston, New York conducted a geophysical survey. The survey used ground-penetrating radar (GPR) to identify potential USTs and locate buried utilities and subsurface structures in the vicinity of each boring location. Borings were relocated as necessary to avoid subsurface utilities and other subsurface impediments. NOVA also remobilized to the site in March 2024 to refresh the geophysical survey and utility mark-out. Copies of the geophysical survey reports are included in Appendix E.

4.2 Soil Investigation

4.2.1 Soil Investigation Methodology

Seven soil borings (PH1_SB20 through PH1_SB26) and three delineation soil borings (PH1_SB21A, PH1_SB27 and PH1_SB28) were advanced by Lakewood Environmental Services Corp. of Smithtown, New York (Lakewood) between March 14, 2023 and March 8, 2024. Soil boring locations were selected to provide sufficient site coverage, evaluate the AOCs listed in Section 3.4, and delineate subsurface impacts identified in the field. Geoprobe® 6610 and AMS 9100 drilling rigs were used to advance seven borings to about 30 to 32 feet bgs and three delineation borings to 5 feet bgs.

Soil was collected continuously from surface grade to the final depth of each soil boring into 4-foot-long acetate liners using a 2-inch-diameter closed-point MacroCore® sampler. Recovered soil was screened for visual, olfactory, and instrumental evidence of environmental impacts and was visually classified for soil type, grain size, color, texture, and moisture content. Instrument screening for the presence of VOCs was performed with a PID equipped with a 10.6 electron volt (eV) lamp. Soil boring logs are included in Appendix F. Soil boring locations are shown on Figure 5.

Non-disposable, down-hole drilling equipment and sampling apparatuses were decontaminated between locations with Alconox® and water. After sample collection, soil borings were either backfilled with clean sand or soil cuttings, or converted to groundwater monitoring wells. Excess soil cuttings were placed into sealed and labeled 55-gallon drums pending off-site disposal.

4.2.2 Soil Sampling and Analysis

Thirty-five soil samples (plus QA/QC samples) were collected from the soil borings for laboratory analysis. Soil samples were collected as follows:

- One to two representative non-native fill samples were collected above the groundwater table in borings PH1_SB20 through PH1_SB28 and PH1_SB21A.
- In borings SB20, SB21, SB22, SB23, and SB25, one to two soil samples were collected from native soil.
- One sample was collected from the interval exhibiting the greatest degree of petroleum contamination, where observed (based on the presence of staining, odor, and/or PID readings above background) in borings SB20, SB23, SB24, and SB25.
- In borings SB20, SB23, SB24 and SB26, one sample was collected from clean soil below the interval exhibiting the greatest degree of contamination in petroleum-impacted soil borings (based on lack of staining, odor, and/or PID readings above background).

The table below identifies the borings associated with each AOC.

Area of Concern	Associated Soil Borings

AOC 1 – Non-Native Fill	PH1_SS01, PH_SB21A, and PH1_SB20 through PH1_SB28
AOC 2 – Historical On- and Off-Site Use	PH1_SB21A, and PH1_SB20 through PH1_SB28

Grab samples submitted for VOC analysis were collected directly from the acetate sleeves via laboratory-supplied Terra Core® soil sample kits. The remaining sample volume was homogenized and placed into laboratory-supplied glassware. The sample containers were labeled, placed in a laboratory-supplied cooler, and packed with ice (to maintain a temperature of 4 ±2°C). The samples were relinquished, under standard chain-of-custody protocol, to a courier for delivery to Alpha Analytical Inc. (Alpha), a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory (ELAP ID #11148) located in Westborough, Massachusetts. Soil samples were analyzed for one or more of the following parameters using United States Environmental Protection Agency (USEPA) methods:

- Target Compound List (TCL) VOCs by USEPA methods 8260C
- TCL SVOCs by USEPA method 8270D
- Pesticides by USEPA method 8081B
- Herbicides by USEPA method 8151A
- Polychlorinated biphenyls (PCBs) by USEPA method 8082A
- Target Analyte List (TAL) metals by USEPA methods 6010D/7471B
- Toxicity Characteristic Leaching Procedure (TCLP) lead by USEPA method 1311
- Hexavalent/trivalent chromium by USEPA method 7196A
- Total cyanide by USEPA method 9010C
- Per- and poly-fluoroalkyl substances (PFAS) (40-compound list) by USEPA method 1633
- 1,4-dioxane by USEPA method 8270 with SIM isotope dilution

A soil sample collection summary is included in Table 1.

4.3 Groundwater Investigation

Groundwater monitoring wells were installed and sampled to characterize groundwater conditions and to investigate potential impacts to groundwater associated with the identified AOCs.

4.3.1 Monitoring Well Installation and Development

Seven permanent groundwater monitoring wells (PH1_MW04, PH1_MW16, PH1_MW19, PH1_SB21, PH1_SB21, PH1_MW25, PH1_MW26) were installed. The boreholes were advanced with either 2.5-inch-outer-diameter drill rods, 3.5-inch-outer-diameter drill rods, or 6.5-inch-outer-diameter hollow stem augers. The wells were installed with 10-foot-long, 1-inch or 2-inch-diameter, threaded, flush-joint, polyvinyl chloride (PVC) casings and 0.010-inch-slot well screens set to straddle the groundwater table.

The bottom of the screens were set between 18 to 24 feet bgs; solid PVC risers were installed above the screens to extend the well to grade. The annulus of each well varies between 2.5 and 6.5 inches and was filled with No. 1 sand to about 2 feet above the top of the screen. Hydrated bentonite well seals were installed above the filter sand, and the wells were finished with flush-mounted access covers. Monitoring well construction logs are included in Appendix G.

Following installation, Lakewood developed each well by purging at least three well volumes with a peristaltic pump (1-inch well) or a submersible pump (2-inch well). Development water was containerized into one United Nations/Department of Transportation (UN/DOT)-approved 55-gallon drum, labeled, and staged for off-site disposal.

The top-of-casing for each monitoring well was surveyed by Langan on July 20, 2023. Synoptic groundwater levels were measured using a Solinst® oil-water interface probe.

4.3.2 Groundwater Sampling and Analysis

Groundwater samples were collected from each newly installed well in accordance with NYSDEC DER-10, USEPA's Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells (EQASOP-GW4 Revised Sep. 2017) and NYDSEC's Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs" (April 2023).

Before the groundwater samples were collected, wells were continuously purged until groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized, to the extent practical, in accordance with the USEPA low-flow guidance. A multi-parameter water-quality system was used to monitor the groundwater-quality parameters during sampling. Samples were collected with a peristaltic pump and dedicated high-density polyethylene tubing. The pump was decontaminated with Alconox® and water between each sample location. Purge water was containerized into one UN/DOT-approved 55-gallon drum, labeled, and staged for off-site disposal.

Seven groundwater samples plus QA/QC samples were collected (one from each of the newly installed wells). Samples were collected into laboratory-supplied glassware and delivered via courier service to Eurofins for analysis of one or more of the following parameters using USEPA methods:

- TCL VOCs by USEPA method 8260C
- TCL SVOCs (lab-filtered in MW07) by USEPA method 8270D
- PCBs by USEPA method 8082A
- TAL Metals (field-filtered and unfiltered) by USEPA method 6010C/7470
- Pesticides by USEPA method 8081B
- Herbicides by USEPA method 8151A
- PFAS (40-compound list) by USEPA method 1633
- 1,4-dioxane by USEPA method 8270 with SIM isotope dilution

A groundwater sample collection summary is included in Table 1. Groundwater elevations are presented in Table 2. A groundwater elevation contour map is presented as Figure 4. Groundwater sampling logs are included in Appendix G.

4.4 Soil Vapor Investigation

Four soil vapor points were installed during the RI. Four soil vapor samples (PH1_SV21, PH1_SV22, Ph1_SV25, and PH1_SV26), two co-located indoor air samples (PH1_IA22 and PH1_IA25), and one outdoor ambient air sample (Ph1_AA01) were collected for laboratory analysis. Soil vapor, indoor air, and ambient air samples are summarized in Table 1 and the sample locations are shown on Figure 5.

4.4.1 Soil Vapor Point Installation

Four soil vapor points (PH1_SV21, PH1_SV22, PH1_SV23 and PH1_SV24) were installed with either a Geoprobe® 6610DT or AMS 9100 drilling rigs to about 10 feet bgs in accordance with the NYSDOH's *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006 and subsequent updates) hereinafter referred to as "NYSDOH Guidance." The soil vapor points were constructed with a dedicated 1-7/8-inch polyethylene implant threaded into 3/16-inch-diameter inert polyethylene tubing that extended to surface grade. A clean sand filter pack was placed around the screen implant to about 8 feet bgs and the remaining annular space was sealed with hydrated bentonite to the surface.

4.4.2 Soil Vapor and Indoor Air Sampling and Analysis

Soil vapor, indoor air, and ambient air samples were collected in general accordance with the NYSDOH Guidance. Four soil vapor samples were collected from the newly installed vapor points. Before collecting vapor samples, three soil vapor point volumes were purged from each sample location at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter set at a low flow setting. The purged soil vapor was monitored for VOCs with the MultiRAE® during purging. A helium tracer gas was used in accordance with the NYSDOH guidance to serve as a QA/QC technique to document the integrity of each soil vapor point seal before and after sampling. The tracer gas was introduced into a container, which shrouded the soil vapor point and seal. Helium was measured from the sampling tube and inside the container. Direct readings of less than 10% helium in the sampling tube were considered sufficient to verify a tight seal at each sample point.

Two indoor air samples were co-located with two soil vapor samples (PH1_SV22 and PH1_SV25), including PH1_IA22 collected from the former 99 cent store/laundromat and PH1_IA25 collected from the community center (National Action Network). A product inventory and indoor air questionnaire was completed in the area of indoor sample locations before sampling to document petroleum-based products, solvents, chemicals, and other materials/products and volatile chemicals that may influence the sample results. The following items with the potential to impact indoor air quality were catalogued during the pre-sampling inspection within the community center (PH1_IA25): adhesives, aerosols, all-purpose sprays and cleaners, bleach, cleaning products, disinfectant sprays, and insect repellants. The

following items with the potential to impact indoor air quality were catalogued within the former 99 cent store/laundromat (PH1_IA22): aerosols, disinfectant sprays, paints, and primers.

The indoor air samples were used to evaluate indoor air quality and the potential for vapor intrusion. The indoor air samples were collected at a height above the ground to represent the breathing zone (about 3 to 5 feet). One ambient air sample (designated AA01_030824) was collected north of the site at the sidewalk along West 145th Street, concurrently with soil vapor samples PH1_SV21, PH1_SV22, PH1_SV25 and PH1_SV26. Soil vapor and indoor air/ambient air samples were collected using laboratory-provided, batch-certified clean, 2.7-liter and 6-liter air canisters equipped with either 2-hour (PH1_SV21, PH1_SV26, and PH1_SV2) or 8-hour (PH1_SV22, PH1_SV25, PH1_IA22, PH1_IA25, and PH1_AA01) sample interval flow controllers. Soil vapor and indoor air/ambient air samples were sealed, labeled, and transported via courier service to Alpha and York Analytical Laboratories, Inc. (York), a NYSDOH ELAP laboratory (ELAP ID #10854) located in Stratford, Connecticut to be analyzed. The samples were analyzed for VOCs by USEPA Method TO-15.

Soil vapor sample point construction logs, sample logs, and indoor air questionnaires with product inventories are presented in Appendix H.

4.5 Quality Assurance/Quality Control Sampling

Trip blanks, field blanks, field duplicate samples, and matrix spike/matrix spike duplicate (MS/MSD) samples were collected and submitted for laboratory analysis for QA/QC purposes. A QA/QC sample collection summary is included in Table 1. Matrix-specific QA/QC samples that were collected for the RI are summarized below:

Soil QA/QC Samples

- One field duplicate samples;
- One MS/MSD samples;
- One trip blank sample;
- One field blank sample (full suite); and
- Six field blank samples (PFAS only).

Groundwater QA/QC Samples

- One field duplicate sample;
- One MS/MSD sample;
- One field blank sample (full suite);
- Three field blank samples (PFAS only) ; and
- Three trip blanks.

Soil Vapor QA/QC Samples

- One ambient air sample.

MS/MSD samples were collected to assess the effect of the sample matrix on the recovery of target compounds or target analytes.

Field duplicate samples were collected to assess the precision of the analytical methods relative to the sample matrix. The soil duplicates were collected from the same material as the primary sample by splitting the volume of homogenized sample collected in the field into two sample containers.

Trip blank samples were collected to assess the potential for contamination of the sample containers and samples during transport from the laboratory to the field and back to the laboratory for analysis. Trip blanks contain about 40 milliliters of acidic water (doped with hydrochloric acid) that is prepared and sealed by the laboratory when the empty sample containers are shipped to the field, and then unsealed and analyzed for VOCs by the laboratory when the sample shipment is received from the field.

Field blanks were collected to determine the effectiveness of the decontamination procedures for the groundwater sampling equipment train and the cleanliness of unused neoprene gloves and acetate liners used to collect soil samples. Field blank samples consisted of deionized, distilled water provided by the laboratory that passed through/over decontaminated sampling equipment. Field blank samples were analyzed for the same list of analytes as the corresponding sampling event and sample matrix.

An ambient air sample was collected to assess ambient air conditions and determine whether conditions during soil vapor sampling could have potentially interfered with sampling results. The ambient air sample was analyzed for the same parameter list as the soil vapor samples.

4.6 Data Validation

Analytical data was validated by a Langan validator in accordance with USEPA and NYSDEC validation protocols. Copies of the data usability summary reports (DUSR) and the data validator's credentials are provided in Appendix I.

4.6.1 Data Usability Summary Report Preparation

A DUSR was prepared for each sampling matrix. 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 the soil and groundwater samples, the following items were assessed:

- Hold times
- Sample preservation
- Sample extraction and digestion
- Laboratory blanks

- Laboratory control samples
- System monitoring compounds
- MS/MSD recoveries
- Field duplicate, trip blank, and field blank sample results

For the soil vapor samples, the following items were assessed:

- Holding times
- Canister certification
- Laboratory blanks
- Laboratory control samples
- System monitoring compounds
- Target compound identification and qualification

Based on the results of data validation, 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 because certain criteria were not met when generating the data. 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; however, the reported reporting limit 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 reporting limit (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.

No major deficiencies were identified for this data set, and data was judged to be 100% valid, as qualified. After data validation activities were complete, validated data was used to prepare the tables and figures included in this report.

4.7 Air Monitoring

VOCs and PM10 were screened with real-time air monitoring at an upwind and downwind station located at the perimeter of the work area during intrusive soil disturbance activities to evaluate the need for odor and dust control measures to mitigate potential off-site impacts to the surrounding neighborhood. Particulate matter was monitored using TSI DustTRAK® aerosol monitors and total VOCs were

monitored using MiniRAE® 3000 PID instruments. Air monitoring data collected during intrusive activities are included as Appendix D.

4.8 Field Equipment Decontamination

Handheld sampling equipment, including oil/water interface probes and water quality meters, were decontaminated using an Alconox®-based solution and triple rinsed with distilled water. Down-hole drilling equipment was decontaminated between each boring by rinsing with an Alconox®-based solution. Decontamination wastewater was placed into 55-gallon drums pending off-site disposal. Waste manifests and approval letters are included in Appendix J.

4.9 Investigation-Derived Waste Management

Investigation-derived waste (IDW) generated during the RI was containerized, as necessary. Soil cuttings and aqueous waste from monitoring well development and purging and decontamination water were placed into separate UN/DOT-approved 55-gallon steel drums with sealed tops. Two soil drums and two aqueous waste drums were produced during the investigation. The soil and groundwater laboratory analytical reports were provided to Dale Transfer Corp. Subsequently, Dale Transfer Corp. provided approval for this material and the drums were sampled and characterized as a non-hazardous waste and transported to Dale Transfer Corp., a permitted solid waste management facility (DEC ID 1-4720-03277) on November 15, 2023 and May 21, 2024. Waste manifests and approval letters are included in Appendix J.

5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

This section summarizes the RI field observations and laboratory analytical results. Soil analytical results are compared to the Part 375 UU, Protection of Groundwater (PGW), and RURR SCOs. Groundwater analytical results are compared to the NYSDEC SGVs. PFAS soil sample results were compared to the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and Analysis of PFAS UU and RURR Guidance Values (April 2023) for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). Sub-slab vapor and ambient air results were evaluated using the NYSDOH Soil Vapor Guidance. The nature and extent of contamination are discussed in Section 7.0.

A summary of the soil, groundwater, and sub-slab vapor samples is included in Table 1. Copies of the laboratory analytical reports are included in Appendix H. Summaries of the analytical results for the soil, groundwater, and soil vapor samples are provided in the following tables:

- Table 3A: Soil Sample Analytical Results
- Table 3B: Soil Sample Analytical Results – Lead Delineation
- Table 4: Groundwater Sample Analytical Results
- Table 5: Quality Assurance/Quality Control Sample Analytical Results
- Table 6: Soil Vapor Sample Analytical Results
- Table 7: Co-located Soil Vapor and Indoor Air Sample Analytical Results

The following sections describe the RI field observations and analytical data.

5.1 Geophysical Investigation Findings

NOVA identified anomalies indicative of sewer utilities through the central and southern parts of the site and an unknown utility in the southeast part of the site. No anomalies indicative of potential USTs were identified during the geophysical survey. Copies of the geophysical reports are included in Appendix E.

5.2 Geology and Hydrogeology

Geologic and hydrogeologic observations are described below. A groundwater elevation contour map is included as Figure 4 and soil boring logs are provided in Appendix F.

5.2.1 Non-Native Fill

The site is underlain by a layer of non-native fill ranging in depth from about 6 feet (PH1_SB24) to 18 feet bgs (PH1_SB21). The layer is predominately characterized as brown to gray, fine-grained gravel with varying amounts of sand, silt, brick, metal, concrete, glass, and coal.

5.2.2 Native Soil Layers

The fill layer is underlain by brown to gray fine-grained sand with varying amounts of gravel and silt. This stratigraphic unit was generally consistent across the site. An about 2-foot-thick grayish brown clay layer was encountered at about 16 feet bgs and an about 8-foot-thick brown clay layer was encountered at

23.5 feet bgs in soil boring PH1_SB20. Organic fibrous materials were encountered between 16 and 20 feet bgs in soil borings PH1_SB20, PH1_SB22 and PH1_SB23.

5.2.3 Bedrock

The "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. Baskersville, et al., the bedrock underlying the site is Fordham Gneiss and Inwood Marble. The Inwood Marble is comprised of white calcite-dolomite marble and the Fordham Gneiss is characterized by moderate layering (banding) of black and white colored minerals consisting of hornblende, biotite, quartz, and plagioclase. The site appears to overlie the eastwardly dipping shoulder of a prominent subsurface anticline/concave fold of the two bedrock units, which manifests as a deep north-south trending bedrock trough. Bedrock was not encountered during the RI or the previously conducted Phase II Environmental Site Investigation (ESI); however, bedrock was observed at depths ranging from 50 to 80 feet bgs at the site during Langan's geotechnical investigation completed in September-October 2020.

5.2.4 Hydrogeology

Synoptic groundwater level measurements were collected from the seven wells installed during the RI. Groundwater was observed at depths between 6.10 to 12.45 feet below top of casing (fBTOC) with elevations ranging from el. 6.89 to 1.29 feet NAVD88. Groundwater at the site was evaluated and determined to generally flow to the south. Groundwater elevations are shown in Table 2. A map showing groundwater elevation contours and flow direction is provided as Figure 4.

5.3 Soil Findings

5.3.1 Field Observations

Field observations of petroleum impacts, or other chemical-like impacts, were not observed during the investigation.

5.3.2 Analytical Results

A summary of RI laboratory detections compared to the NYSDEC Part 375 UU, RURR, and PGW SCOs is provided in Table 3A. Lead delineation sample results compared to the USEPA RCRA Characteristics for Hazardous Waste are provided in Table 3B. Soil sample analyte concentrations that exceed the UU, RURR, and/or PGW SCOs are shown on Figures 6A and 6B. Laboratory analytical reports are provided in Appendix K. The following tables summarize compounds detected at concentrations exceeding the UU, RURR, and/or PGW SCOs (measured in milligram/kilogram [mg/kg]). Concentrations detected above the UU SCOs are shown in **bold**, concentrations above the PGW SCOs are shaded, and concentrations above the RURR SCOs are underlined. Sample depths in feet bgs are denoted by the last two numbers of the sample ID.

VOCs

One or more of three VOCs were detected at concentrations above UU, PGW and/or RURR SCOs in soil samples collected from depths ranging from 2 to 16 feet bgs in soil borings PH1_SB20, PH1_SB22,

PH1_SB24, and PH1_SB26. Two chlorinated VOCs, TCE and PCE, were detected above PGW and/or RURR SCOs in soil samples collected from depths ranging from 2 to 6 feet bgs in borings PH1_SB20 and PH1_SB26 in the southern part of the site. The following table provides minimum and maximum concentrations of VOCs exceeding the SCOs:

Parameter	Range of Concentrations Detected above UU SCOs		UU, PGW and RURR SCOs
	Minimum Detected Concentration above SCOs	Maximum Detected Concentration above SCOs	
Acetone*	0.061 mg/kg in PH1_SB22_14-16	0.068 mg/kg in PH1_SB24_2-4	UU: **0.05 mg/kg** PGW: 0.05 mg/kg RURR: 100 mg/kg
PCE	3.3 mg/kg in PH1_SB20_3-4	46 mg/kg in PH1_SB26_2-4	UU: **1.3 mg/kg** PGW: 1.3 mg/kg RURR: 19 mg/kg
TCE	0.5 mg/kg in PH1_SB20_3-4		UU: **0.47 mg/kg** PGW: 0.47 mg/kg RURR: 21 mg/kg

* Acetone was present in one laboratory batch blank (L2412985) and is a common laboratory contaminant; therefore, its presence in soil samples is not likely representative of site conditions.

SVOCs

One or more of seven SVOCs were detected at concentrations above UU, PGW, and/or RURR SCOs in six soil samples collected from surface grade to 8 feet bgs in soil borings PH1_SB20, PH1_SB21, PH1_SB23, and PH1_SB26. The table below provides concentration ranges of SVOCs exceeding the SCOs:

Parameter	Range of Concentrations Detected above UU SCOs		UU, PGW and RURR SCOs
	Low	High	
Benzo(a)anthracene	1.1 mg/kg in PH1_SB23_0-2	6.7 mg/kg in PH1_SB23_4-6	UU: **1 mg/kg** PGW: 1 mg/kg RURR: 1 mg/kg
Benzo(a)pyrene	1.2 mg/kg in PH1_SB23_0-2	6.8 mg/kg in PH1_SB23_4-6	UU: **1 mg/kg** PGW: 22 mg/kg RURR: 1 mg/kg
Benzo(b)fluoranthene	1.6 mg/kg in PH1_SB23_0-2	6.5 mg/kg in PH1_SB23_4-6	UU: **1 mg/kg** PGW: 1.7 mg/kg RURR: 1 mg/kg
Benzo(k)fluoranthene	**1.5 mg/kg** in PH1_SB21_6-8 and PH1_SB26_4-6	1.9 mg/kg in PH1_SB23_4-6	UU: **0.8 mg/kg** PGW: 1.7 mg/kg RURR: 3.9 mg/kg
Chrysene	1.2 mg/kg in PH1_SB23_0-2	6.3 mg/kg in PH1_SB23_4-6	UU: **1 mg/kg** PGW: 1 mg/kg RURR: 3.9 mg/kg

Parameter	Range of Concentrations Detected above UU SCOs		UU, PGW and RURR SCOs
	Low	High	
Dibenz(a,h)anthracene	0.54 mg/kg in PH1_SB21_6-8	0.79 mg/kg in PH1_SB23_4-6	UU: **0.33 mg/kg** PGW: 1000 mg/kg RURR: 0.33 mg/kg
Indeno(1,2,3-cd)pyrene	0.78 mg/kg in PH1_SB23_0-2	4.4 mg/kg in PH1_SB23_4-6	UU: **0.5 mg/kg** PGW: 8.2 mg/kg RURR: 0.5 mg/kg

Pesticides

One or more of two pesticides were detected at concentrations above the UU SCOs in four soil samples collected from 3 to 4 feet bgs in soil boring PH1_SB20, between 2 and 6 feet bgs in soil boring PH1_SB26, and from surface grade at PH1_SS01. Pesticides were not detected above the PGW or RURR SCOs. The table below provides the concentrations of pesticides exceeding the SCOs:

Parameter	Range of Concentrations Detected Above SCOs		UU, PGW and RURR SCOs
	Minimum Detected Concentration above SCOs	Maximum Detected Concentration above SCOs	
4,4′-DDE	**0.00872** mg/kg in PH1_SB20_3-4	**0.0535** mg/kg in PH1_SB26_4-6	UU: **0.0033** mg/kg PGW: 17 mg/kg RURR: 8.9 mg/kg
4,4′-DDT	**0.00452** mg/kg in PH1_SS01	**0.107** mg/kg in PH1_SB26_4-6	UU: **0.0033** mg/kg PGW: 136 mg/kg RURR: 7.9 mg/kg

PCBs

PCBs were not detected at concentrations above the UU, PGW or RURR SCOs in samples collected during the RI.

Herbicides

Herbicides were not detected at concentrations above the UU, PGW or RURR SCOs.

Metals (Outside of Hazardous Lead Delineation Area)

One or more of eight metals were detected at concentrations above the UU SCOs in soil samples collected from depths ranging from surface grade to 16 feet bgs in soil borings PH1_SB20, PH1_SB21, PH1_SB22, PH1_SB23, PH1_SB24, PH1_SB25, and PH1_SB26. Barium was detected at concentrations above RURR SCOs in one soil sample collected from 8 to 10 feet bgs in soil boring PH1_SB26. Mercury was detected at concentrations above the PGW SCO in one soil sample collected from 2 to 4 feet bgs in soil boring PH1_SB26. Two metals, mercury and lead, were detected at concentrations above the PGW

and RURR SCOs in six soil samples collected from 2 to 10 feet bgs in soil borings PH1_SB21, PH1_SB23, PH1_SB24, and PH1_SB26. The table below provides concentration ranges of metals exceeding the SCOs:

Parameter	Range of Concentrations Detected Above SCOs		UU, PGW and RURR SCOs
	Minimum Detected Concentration above SCOs	Maximum Detected Concentration above SCOs	
Barium	510 mg/kg in PH1_SB26_8-10		UU: **350 mg/kg** PGW: 820 mg/kg RURR: 400 mg/kg
Chromium, Hexavalent	**4.87 mg/kg** in PH1_SB26_2-4		UU: **1 mg/kg** PGW: 19 mg/kg RURR: 110 mg/kg
Chromium, Trivalent	**37 mg/kg** in PH1_SB26_4-6	**76.8 mg/kg** in PH1_SB26_8-10	UU: **30 mg/kg** RURR: 180 mg/kg
Copper	**56 mg/kg** in PH1_SB26_4-6	**158 mg/kg** in PH1_SB21_6-8	UU: **50 mg/kg** PGW: 1720 mg/kg RURR: 270 mg/kg
Lead	**90.5 mg/kg** in PH1_SB23_14-16	556 mg/kg in PH1_SB20_3-4	UU: **63 mg/kg** PGW: 450 mg/kg RURR: 400 mg/kg
Mercury	**0.183 mg/kg** in PH1_SB24_6-8	1.09 mg/kg in PH1_SB26_8-10	UU: **0.18 mg/kg** PGW: 0.73 mg/kg RURR: 0.81 mg/kg
Nickel	**45.2 mg/kg** in PH1_SB26_8-10		UU: **30 mg/kg** PGW: 130 mg/kg RURR: 310 mg/kg
Zinc	**161 mg/kg** in PH1_SB23_4-6	**1,110 mg/kg** in PH1_SB23_14-16	UU: **109 mg/kg** PGW: 2480 mg/kg RURR: 10,000 mg/kg

Metals (Hazardous Lead Delineation)

As part of the RI, a hazardous lead delineation was conducted in the northern part of the site and included the advancement of three soil borings (PH1_SB21A, PH1_SB27, and PH1_SB28). This section discusses the analytical results of the soil samples collected as part of the hazardous lead delineation. Total lead was detected at concentrations above the UU SCOs in 13 soil samples and at concentrations the above RURR and/or PGW SCOs in eight soil samples. The maximum concentration of lead was identified in PH1_SB21A at 5,060 mg/kg. TCLP lead was detected at concentrations exceeding the USEPA Maximum Concentration of Contaminants for the Toxicity Characteristic (5 mg/L) in three soil samples (PH1_SB21A_3-4 [9.08 mg/L], PH1_SB21A_4-5 [13.9 mg/L], and PH1_S0DUP03_031723 [11.6 mg/L; duplicate of parent sample PH1_SB21A_4-5]).

The hazardous lead-impacted soil in this area was delineated horizontally to the north and to the east of the initial hazardous lead-impacted soil boring sampled during the 2021 supplemental soil sampling event (PH1_SB13). TCLP lead was not detected at concentrations exceeding 5 mg/L for samples collected at PH1_SB27 and PH1_SB28, located to the north and to the east, respectively, of PH1_SB13. However, hazardous lead-impacted soil was not delineated to the south and west, as TCLP lead was detected at concentrations exceeding 5 mg/L for samples collected at PH1_SB21, which is southwest of PH1_SB13, and no further delineation samples were collected beyond PH1_SB21 in that direction. Additional delineation of the hazardous lead-impacted soil will be completed as part of a forthcoming waste characterization investigation prior to the start of or during remediation/construction.

Hazardous lead-impacted soil was delineated vertically above 3 feet bgs, as TCLP lead concentrations were not detected at concentrations exceeding 5 mg/L for any delineation samples collected above 3 feet bgs. However, hazardous lead-impacted soil was not delineated vertically below 5 feet bgs, as TCLP lead was detected at samples from 3 to 5 feet bgs at PH1_SB21, and no further delineation samples were collected below 5 feet bgs. Additional delineation of the hazardous lead-impacted soil will be completed as part of a forthcoming waste characterization investigation prior to the start of or during remediation/construction.

PFAS (40-Compound List) and 1,4-Dioxane

Soil PFAS and 1,4-dioxane analytical results were compared to the NYSDEC Part 375 Remedial Programs Guidelines for Sampling and Analysis of PFAS UU and RURR Guidance Values (April 2023) for PFOA and PFOS. PFOS was detected above the UU and/or PGW SCO in two soil samples from soil boring PH1_SB26: above the UU SCO of 0.00088 mg/kg at a concentration of 0.00093 mg/kg in one soil sample collected from 2 to 4 feet bgs, and above the PGW SCO of 0.001 mg/kg at a concentration of 0.00154 mg/kg in one soil sample collected from 4 to 6 feet bgs. PFOA was not detected above SCOs in soil samples, and 1,4-dioxane was not detected in soil samples.

5.4 Groundwater Findings

5.4.1 Field Observations

Newly installed monitoring wells were gauged for light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) with an oil-water interface probe. No LNAPL or DNAPL was encountered in any monitoring well. Prior to sampling, monitoring well headspaces were measured with a PID. Petroleum-like odors and a monitoring well headspace PID measurement of 0.8 ppm were observed at monitoring well PH1_MW21 prior to sampling.

5.4.2 Analytical Results

A summary of laboratory results for RI groundwater samples, with comparisons to NYSDEC SGVs, is presented in Table 4. Groundwater sample results that exceeded NYSDEC SGVs for RI samples are shown

on Figure 7. Groundwater sampling logs are included in Appendix G. Laboratory analytical data reports are included in Appendix K.

The following sections present summaries of RI groundwater sample results that exceeded NYSDEC SGVs and are organized by analytical parameter set.

VOCs

One petroleum-related VOC, tert-butyl methyl ether (MTBE), was detected above the NYSDEC SGV of 10 µg/L at a concentration of 24 µg/L in one groundwater sample collected from monitoring well PH1_MW22.

SVOCs

One or more of six SVOCs were detected above the NYSDEC SGVs in three groundwater samples collected from monitoring wells PH1_MW04, PH1_MW16, and PH1_MW25. The table below provides concentrations of SVOCs above the NYSDEC SGVs:

Parameter	Range of Concentrations Detected Above the NYSDEC SGVs		NYSDEC SGVs
	Minimum Detected Concentration above SGVs	Maximum Detected Concentration above SGVs	
Benzo(a)anthracene	0.03 µg/L in PH1_MW16_050423	0.05 µg/L in PH1_MW25_050423	0.002 µg/L
Benzo(a)pyrene	0.03 µg/L in PH1_MW25_050423	0.04 µg/L in PH1_MW04_050423	0.0 µg/L
Benzo(b)fluoranthene	0.01 µg/L in PH1_MW16_050423	0.05 µg/L in PH1_MW04_050423	0.002 µg/L
Benzo(k)fluoranthene	0.01 µg/L in PH1_MW16_050423 and PH1_MW25_050423	0.02 µg/L in PH1_MW04_050423	0.002 µg/L
Chrysene	0.01 µg/L in PH1_MW16_050423	0.04 µg/L in PH1_MW04_050423	0.002 µg/L
Indeno(1,2,3-cd)pyrene	0.03 in PH1_MW25_050423		0.002 µg/L

Total Metals

Two or more of six total metals were detected above the NYSDEC SGVs in groundwater samples collected from PH1_MW04, PH1_MW16, PH1_MW19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26. The table below provides concentrations of total metals above the NYSDEC SGVs:

Parameter	Range of Concentrations Detected Above the NYSDEC SGVs		NYSDEC SGVs
	Minimum Detected Concentration above SGVs	Minimum Detected Concentration above SGVs	
Antimony	3.65 µg/L in PH1_MW26_031524		3 µg/L
Iron	423 µg/L in PH1_MW25_050423	37,000 µg/L in PH1_MW21_050523	300 µg/L
Lead	41.28 µg/L in PH1_MW04_050423		25 µg/L
Magnesium	44,700 µg/L in PH1_MW26_031524		35000 µg/L
Manganese	372.8 µg/L in PH1_MW25_050423	3,797 µg/L in PH1_MW21_050523	300 µg/L
Sodium	52,400 µg/L in PH1_MW04_050423	218,000 µg/L in PH1_MW22_050523	20000 µg/L

Dissolved Metals

Two or more of five dissolved metals were detected above the NYSDEC SGVs in groundwater samples collected from PH1_MW04, PH1_MW16, PH1_MW19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26. The table below provides concentrations of dissolved metals above the NYSDEC SGVs:

Parameter	Range of Concentrations Detected Above the NYSDEC SGVs		NYSDEC SGVs
	Minimum Detected Concentration above SGVs	Minimum Detected Concentration above SGVs	
Antimony	3.31 µg/L in PH1_MW26_031524		3 µg/L
Iron	1,330 µg/L in PH1_MW04_050423	38,100 µg/L in PH1_MW21_050523	300 µg/L
Magnesium	45,800 µg/L in PH1_MW26_031524		35000 µg/L
Manganese	424 µg/L in PH1_MW25_050423	3,894 µg/L in PH1_MW21_050523	300 µg/L
Sodium	52,900 µg/L in PH1_MW04_050423	218,000 µg/L in PH1_MW22_050523	20000 µg/L

PCBs

PCBs were not detected in groundwater.

Pesticides and Herbicides

Pesticides and herbicides were not detected in groundwater.

PFAS (40-Compound List) and 1,4-Dioxane

One or more of two PFAS compounds, PFOA and PFOS, were detected above the NYSDEC SGVs in groundwater samples collected from monitoring wells PH1_MW04, PH1_MW16, PH1_MW19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26. 1,4-Dioxane was not detected above the NYSDEC SGV. The table below provides concentration ranges of PFAS compounds that were detected above NYSDEC SGVs:

Parameter	Range of Concentrations Detected above the PFAS Guidance Values		NYSDEC PFAS Guidance Values
	Minimum Detected Concentration above Guidance Values	Maximum Detected Concentration above Guidance Values	
PFOS	0.00553 µg/L in PH1_MW22_050523	0.0361 µg/L in PH1_MW04_050423	0.0027 µg/L
PFOA	0.0102 µg/L in PH1_MW19_050323	0.051 µg/L in PH1_MW26_031524	0.0067 µg/L

5.5 Soil Vapor Findings

5.5.1 Field Observations

Post-purge PID readings were 0.0 ppm at all four soil vapor points.

5.5.2 Analytical Results

Soil vapor and indoor air sample results are summarized in Tables 6 and 7 and shown on Figure 8. No standards currently exist for soil vapor in New York State. Sub-slab soil vapor and indoor sample results were evaluated using the New York State Department of Health (NYSDOH) Air Guideline Values (AGV) and the Decision Matrices contained in the October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (2013, 2015, 2017, 2024). Matrices A, B, C, D, E, and F address 21 compounds, including PCE, TCE, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, methylene chloride, carbon tetrachloride, benzene, ethylbenzene, naphthalene, cyclohexane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, o-xylene, m-xylene, p-xylene, heptane, hexane, and toluene.

Soil Vapor Samples:

- 1,1,1-TCA, 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, methylene chloride, naphthalene, cyclohexane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and n-hexane were not detected in soil vapor samples.
- PCE was detected in soil vapor sample PH1_SV26 at a concentration of 4,400 µg/m^3.
- TCE was detected in soil vapor sample PH1_SV26 at a concentration of 16 µg/m^3.

- Benzene was detected in both vapor samples at concentrations ranging from 0.73 µg/m^3 (PH1_SV21) to 5.9 µg/m^3 (PH1_SV26).
- Ethylbenzene was detected in soil vapor sample PH1_SV26 at a concentration of 8 µg/m^3.
- Carbon tetrachloride was detected in soil vapor sample PH1_SV21 at a concentration of 0.6 µg/m^3.
- O-xylene was detected in soil vapor sample PH1_SV26 at a concentration of 8 µg/m^3.
- M,P-xylene was detected in soil vapor sample PH1_SV26 at a concentration of 22 µg/m^3.
- N-heptane was detected in soil vapor sample PH1_SV26 at a concentration of 12 µg/m^3.
- Toluene was detected in both vapor samples at concentrations of 2.2 µg/m^3 (PH1_SV21) to 6.9 µg/m^3 (PH1_SV26).

Co-Located Soil Vapor and Indoor Air Samples:

- 1,1,1-TCA, 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, methylene chloride, ethylbenzene, naphthalene, cyclohexane, 1,2,4-trimethylbenzene, TCE, 1,3,5-trimethylbenzene, o-xylene, m-xylene, p-xylene, heptane, and hexane were not detected in soil vapor samples (PH1_SV22, PH1_SV25).
- 1,1,1-TCA, 1,1-dichloroethene, vinyl chloride, naphthalene, 1,3,5-trimethylbenzene, and TCE were not detected in indoor air samples (PH1_IA22, PH1_IA25).
- PCE was detected at 4.7 µg/m^3 in PH1_SV22 and undetected in the co-located indoor air sample (PH1_IA22). PCE was not detected in PH1_SV25 and was detected at 79 µg/m^3 in the co-located indoor air sample (PH1_IA25).
- Methylene chloride was detected in both indoor air samples at concentrations of 0.84 µg/m^3 (PH1_IA22) and 0.94 µg/m^3 (PH1_IA25).
- Carbon tetrachloride was detected in PH1_SV25 at a concentration of 0.68 µg/m3, and in both indoor air samples at a concentration of 0.5 µg/m^3.
- Benzene was detected in PH1_SV25 at a concentration of 1 µg/m3, and in both indoor air samples at concentrations of 1.5 µg/m^3 (PH1_IA22) and 1.4 µg/m^3 (PH1_IA25).
- Ethylbenzene was detected in both indoor air samples at concentrations of 0.61 µg/m^3 (PH1_IA22) and 0.54 µg/m^3 (PH1_IA25).
- Cyclohexane was detected in both indoor air samples at concentrations of 0.41 µg/m^3 (PH1_IA22) and 0.39 µg/m^3 (PH1_IA25).
- 1,2,4-Trimethylbenzene was detected in both indoor air samples at concentrations of 0.64 µg/m^3 (PH1_IA22) and 0.78 µg/m^3 (PH1_IA25).

- O-xylene was detected in both indoor air samples at concentrations of 0.74 µg/m^3 (PH1_IA22) and 0.64 µg/m^3 (PH1_IA25).
- M-P-xylene was detected in both indoor air samples at concentrations of 2 µg/m^3 (PH1_IA22) and 1.7 µg/m^3 (PH1_IA25).
- N-heptane was detected in both indoor air samples at concentrations of 0.9 µg/m^3 (PH1_IA22) and 0.93 µg/m^3 (PH1_IA25).
- N-hexane was detected in both indoor air samples at concentrations of 1.1 µg/m^3 (PH1_IA22) and 0.76 µg/m^3 (PH1_IA25).
- Toluene was detected in PH1_SV25 at a concentration of 2.9 µg/m3, and in both indoor air samples at concentrations of 3.2 µg/m^3 (PH1_IA22) and 3.1 µg/m^3 (PH1_IA25).

PCE exceeded the NYSDOH AGVs of 30 µg/m^3 in indoor air sample PH1_IA25. Using the NYSDOH Decision Matrices, the recommended action for PCE at this location is "Identify Source(s) and Resample or Mitigate."

Using the NYSDOH Decision Matrices, the recommended action across the remaining 20 compounds is "No Further Action".

5.5.3 QA/QC Sample Results

Quality control sample results were evaluated during data validation. Duplicate, field blank, emerging contaminant field blank, MS/MSD, and trip blank samples collected during the RI are detailed in Table 1. QA/QC sample results are provided in Table 5. Duplicate, field blank, and MS/MSD samples were generally collected at a frequency of 1 per 20 primary soil and groundwater samples. Trip blank samples were generally collected at a frequency of 1 per day of groundwater sampling for VOCs. The relative percent differences (RPD) between the primary samples and field duplicate results did not meet the precision criteria for select compounds in soil and groundwater. The trip blank results demonstrated the absence of cross-contamination during sample transport.

5.6 Data Usability

New York Analytical Services Protocols (ASP) Category B laboratory reports for the soil, groundwater, and soil vapor samples collected during the RI were provided by Alpha and York and were reviewed by a Langan data validator. Data qualifiers were updated following completion of the DUSRs. Copies of the DUSRs are provided in Appendix I.

The data were determined to be usable, as qualified. Completeness, defined as the percentage of analytical results that are judged to be valid, is 100% for soil, groundwater, and soil vapor.

5.7 Evaluation of Areas of Concern

This section discusses the results of the RI and previous investigations with respect to the AOCs described in Section 3.4 (AOC 1 and 2). AOCs are shown on Figure 10.

5.7.1 AOC 1: Non-Native Fill

AOC 1 Findings Summary

Investigation of AOC 1 included completion of ten soil borings and seven monitoring wells. Non-native fill was identified throughout the site from surface grade to depths of about 6 feet to 18 feet bgs. The fill layer is predominately characterized as brown to gray fine-grained gravel with varying amounts of sand, silt, brick, metal, concrete, glass, slag, and coal.

Seven SVOCs (benzo[a]anthracene, benzo(a)pyrene, benzo[b]fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene and indeno[1,2,3-cd]pyrene) were detected above UU, PGW, and/or RURR SCOs in non-native fill samples collected from the northern, western, and southern parts of the site. All of the SVOCs noted above, with the exception of benzo(k)fluoranthene, were detected above RURR SCOs. Eight metals (barium, copper, hexavalent chromium, trivalent chromium, lead, mercury, nickel, and zinc) were detected above UU, PGW and/or RURR SCOs in non-native fill samples from across the site. Three of these metals (barium, lead, and mercury) were detected above RURR SCOs. During the RI, three soil borings were completed to five feet bgs and soil samples were collected to delineate hazardous lead detected during the Phase II ESI in the northern part of the site. One delineation boring contained lead exceeding the RCRA Characteristic for Hazardous Waste from 3 to 5 feet bgs. Two pesticides (4,4'-DDE and 4,4'-DDT) were detected above UU SCOs in non-native fill samples from the southern and eastern parts of the site. Total PCBs were detected at a concentration exceeding the UU SCO from 0 to 2 feet bgs in one soil sample collected from the eastern part of the site during the Phase II ESI (PH1_SB02_0-2).

Depth to groundwater ranges from about 6.10 to 12.45 fBTOC (based on the RI gauging results) and lies within the non-native fill layer in some areas of the site. Six 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 NYSDEC SGVs in groundwater samples collected from three monitoring wells (MW04, MW16, and MW25) located in the central and northern parts of the site. Lead was detected in one unfiltered groundwater sample (MW04), but not in the corresponding filtered groundwater sample. Certain SVOCs and lead that were detected above NYSDEC SGVs in groundwater were also detected in soil above the PGW SCOs.

AOC 1 Conclusions

Non-native fill was identified from surface grade to depths ranging from about 6 to 18 feet bgs (based on results from this RI and the Phase II ESI). Field observations of brick, metal, concrete, wood, glass, slag, and coal are consistent with non-native fill identified in the NYC urban environment. Certain SVOCs, metals and pesticides above the UU, PGW and/or RURR SCOs were identified within the non-native fill layer and their presence is attributed to the quality of fill material placed at the site. The area with hazardous lead impacted fill was delineated to the north and east, but further delineation is required to the south and west, and to depths below five feet bgs.

The detections of SVOCs and lead in unfiltered groundwater samples at concentrations above the NYSDEC SGVs is attributed to the presence of suspended solids derived from non-native fill that were entrained in the groundwater samples collected for laboratory analysis.

5.7.2 AOC 2: Historical On- and Off- Site Use

AOC 2 Findings Summary

Two chlorinated VOCs (PCE and TCE) were detected at concentrations above the UU, PGW SCOs, and/or the RURR SCOs in soil samples collected from 2 to 6 feet bgs in two soil borings (PH1_SB20 and PH1_SB26) at southern part of the site. Acetone exceeded the UU, PGW, and RURR SCOs in soil samples across the site; however, the acetone detections are likely laboratory artifacts. No petroleum-related VOCs were detected in soil samples above the SCOs, and no petroleum-like odors or elevated PID readings were observed in soil borings.

One petroleum-related VOC, MTBE, was detected above the NYSDEC SGV of in one monitoring well (MW22) located in the northern part of the site. There were no chlorinated VOCs detected in groundwater samples at concentrations above NYSDEC SGVs. No petroleum-like odors or elevated PID readings were observed in the monitoring well headspaces.

Petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, n-heptane, n-hexane, and/or toluene) and chlorinated VOCs (1,1,1-TCA, 1,1-dichloroethene, carbon tetrachloride, methylene chloride, PCE, TCE, and/or vinyl chloride) were detected in soil vapor samples collected across the site. PCE and TCE were detected at a concentration of 4,400 and 16 µg/m^3, respectfully, in a soil vapor sample (PH1_SV26) collected from the southern part of the site. PCE was detected in an indoor air sample collected from the eastern part of the site (PH1_IA25) at a concentration of 79 µg/m^3, which exceeds the NYSDOH AGVs of 30 µg/m^3; however, PCE was not detected in the associated co-located soil vapor (PH1_SV25). When compared to the NYSDOH Decision Matrices, the recommended action based on the concentrations observed in co-located samples, PH1_SV25 and PH1_IA25, is "Identify Source(s) and Resample or Mitigate".

AOC 2 Conclusions

Chlorinated VOC impacts to soil and soil vapor in the southern part of the site are attributed to historical automotive repair uses at the site. Chlorinated VOCs were historically used as a degreaser for metal parts and are commonly associated with automotive repair products and operations (a historical on-site use). The chlorinated VOCs in soil have not impacted groundwater quality based on the RI and Phase II ESI groundwater sample data. Acetone was present in one laboratory batch blank (L2412985) and is a common laboratory contaminant; therefore, its presence in soil samples is not attributed to an on-site source.

Petroleum-related VOC impacts (MTBE) to groundwater in the northern part of the site are attributed to off-site sources, as MTBE was not detected in any on-site soil samples collected during the RI and Phase II ESI. Off-site sources of MTBE in groundwater may include Block 2014, Lot 29 (119 West 145th Street),

located to the north and hydraulically upgradient of the site, which was historically used as a gasoline service station with documented petroleum releases. These known off-site releases include five closed NYSDEC spill cases (Spill Nos. 97-13385, 07-01951, 07-05883, 13-07182, and 14-09664). The off-site spills were administratively closed and/or consolidated under Spill No. 97-13385 for long-term DEC cleanup. A dual-phase extraction (DPE) well system operated from June 2006 to at least 2012, and the tanks and associated piping were subsequently removed in 2017. Although the NYSDEC closed this consolidated Spill No. 97-13385, residual petroleum impacts likely remain there considering the number of historical spill incidents at this off-site property, and dissolved-phase contamination may have migrated from it to the site.

6.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

Human health exposure risk was evaluated for 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, there was no need to prepare an FWRIA for the site. A completed copy of the DER-10 Appendix 3C decision key is included as Appendix L.

6.1 Current Conditions

The site encompasses an area of about 34,400 square feet and is currently improved with three one-story commercial buildings with storage mezzanines (former Lots 29 and 38) and an asphalt paved parking lot (former Lot 33). The two buildings on former Lot 29 contain seven tenant spaces including a deli/grocery store (occupied), an urgent care center (occupied), an Islamic religious center (occupied), a non-profit organization (occupied), a community center (National Action Network) (occupied), a vacant retail store, and a vacant restaurant. The building on former Lot 38 contains four unoccupied tenant spaces including a vacant laundromat, two vacant restaurants, and a vacant retail store, as well as one occupied quick-serve restaurant (Dunkin Donuts). All three buildings contain partial cellars used for storage.

6.2 Post-Redevelopment Conditions

The Volunteer is seeking a rezoning of the site to allow for residential, retail, commercial, parking and/or community facility uses. The proposed redevelopment plan includes demolishing all existing structures and construction of one or more mixed-use residential and commercial buildings over a cellar. The residential use would include an affordable housing component. The percentage of affordable housing is unknown as of the date of this RIR. The contemplated end-use for purposes of the BCP would be restricted-residential.

6.3 Conceptual Site Model

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

6.3.1 Potential Sources of Contamination

Potential sources of contamination include non-native fill, historical on-site uses, a historical release of petroleum from the north-adjoining site.

Non-Native Fill – The site-wide presence of non-native fill was established as a source of SVOCs and metals in soil and groundwater. The presence of pesticides and total PCBs in soil in the northeastern part

of the site may also be attributable to poor quality fill material and/or historical application of pesticides at the site.

Historical On-site Uses – The historical use of the site for automotive repair (former Lot 29) is the likely source of chlorinated VOCs (PCE and TCE) in soil and soil vapor in the southern part of the site.

Historical Off-site Uses – Historical, off-site petroleum releases and uses located to the north and upgradient of the site (119 West 145th Street), including releases associated with consolidated Spill No. 97-13385 and former operation of a gasoline service station, is the likely source of MTBE in groundwater and petroleum-related VOCs in soil vapor in the northern part of the site. Petroleum-related VOCs in soil vapor may also be attributed to the property adjoining the site to the west (691 Lenox Ave – Phase 2), which has documented petroleum releases associated with Spill Nos. 20-07933, 16-06459 (former Speedway-branded gas station), and 07-51061 (active Mobil-branded gas station), as well as known soil vapor contamination.

6.3.2 Exposure Media and Contaminants of Concern

The contaminated media include soil, groundwater, soil vapor, and indoor air. The contaminants in each media include: 1) VOCs, SVOCs, pesticides, metals, and PCBs in soil; 2) SVOCs and metals in groundwater; and 3) VOCs in soil vapor and indoor air.

6.3.3 Receptor Populations

Site access is currently limited to authorized personnel in unoccupied tenant spaces and within the asphalt paved lot, and to authorized personnel and customers within occupied tenant spaces. Under future construction conditions, human receptors may include construction and remediation workers, authorized guests, and the public adjacent to the site. Under future use conditions, human receptors include residents, visitors and customers at the mixed-used residential and commercial building and the nearby community, including children.

6.4 Potential Exposure Pathways – On-Site

6.4.1 Current Conditions

The site footprint is primarily covered with impervious surfaces, including three commercial buildings (each with partial cellars) and an about 4,800-square-foot asphalt-paved lot in the eastern part of the site. The building in the northern part of the site contains one occupied tenant space used as a quick-serve restaurant and four unoccupied tenant spaces. The building in the central part of the site contains one occupied tenant space used as community center and an unoccupied tenant space. The third building on the southern part of the site contains four occupied tenant spaces used as a deli/grocery store, an urgent care center, an Islamic religious center, and a non-profit organization. Because of the presence of impervious surfaces across most of the site, human exposure to contaminated soil through ingestion or direct contact is limited. In addition, groundwater in this area of New York City is not used as a potable water source pursuant to a local prohibition.

There is a potential for exposure to contaminated soil vapor under current conditions through soil vapor intrusion (SVI) into and inhalation within occupied tenant spaces. Potential SVI exposures at occupied tenant spaces will be evaluated during the upcoming heating season as part of a forthcoming supplemental remedial investigation (SRI) event, as requested by the NYSDEC. Additionally, there is a potential exposure pathway to contaminated soil/fill, groundwater and soil vapor during site investigation through dermal absorption, inhalation, and/or ingestion. Investigation activity is limited to trained personnel and is performed under a site-specific Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) with provisions to minimize exposure risk, including vapor and dust suppression techniques.

6.4.2 Construction/Remediation Condition

Construction and remediation may result in potential exposures to contaminated soil, groundwater or soil vapor. The implementation of a HASP and CAMP, as well as vapor and dust suppression techniques, will limit the exposure pathways presented by potential dermal absorption, ingestion, and inhalation.

6.4.3 Proposed Future Conditions

The remaining occupied tenant spaces will be vacated prior to the start of redevelopment activities. The proposed redevelopment will encompass the entire site footprint and include residential, retail, commercial, parking and/or community facility uses. The proposed redevelopment plan includes demolishing all existing structures and construction of one or more mixed-use residential and commercial buildings over a shared cellar. During redevelopment construction, non-native fill and contaminated soil would be excavated to accommodate the cellar level and any at-grade concrete foundations. Contaminated soil that cannot be feasibly excavated would either be treated or contained; likewise, contaminated groundwater would be treated or contained. The foundation/sub-slab for the building would include a waterproofing and vapor barrier membrane as elements of construction and additional soil vapor intrusion mitigation measures as may be required. The anticipated installation of a composite cover system as part of the forthcoming Remedial Action would prevent a complete soil contamination exposure pathway unless such cover system is compromised. The cover system would be managed under a forthcoming NYSDEC-approved site management plan. There is no exposure pathway for ingesting groundwater because the site and surrounding areas in NYC obtain their drinking water supply from surface water reservoirs located upstate and local law prohibits the potable use of groundwater. Anticipated institutional controls, such the recording of an environmental easement imposing use restrictions on the site and restricting the potable use of groundwater (among other typical restrictions) on title would also prevent the completion of potential exposure pathways.

6.5 Potential Exposure Pathways – Off-Site

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

- The site is currently covered by impervious cover comprised of building slabs and/or asphalt pavement. These cover systems limit the generation of dust, odors and vapors from on-site sources that could migrate off-site and impact the community.
- Groundwater in New York City is not used as a potable water source pursuant to a local prohibition, and the nearest ecological receptor, the Harlem River, is located about 700 feet east of the site.
- During site excavation and remediation, the following protective measures will be implemented:
    - Air monitoring will be conducted for particulates (dust) and VOCs during ground-intrusive work as part of a CAMP. Dust and/or vapor suppression techniques will be employed as needed to limit the potential for off-site migration of soil and vapors.
    - Vehicle tires and undercarriages will be washed prior to leaving the site as necessary to prevent tracking site-derived material off-site.
    - A soil erosion/sediment control plan will be implemented during construction to control off-site migration of soil.
- Groundwater extracted during remediation activities and/or construction dewatering, if required, will be treated before it is discharged to the municipal sewer system under a New York City Department of Environmental Protection (NYCDEP) permit.
- Upon redevelopment, the site will be covered with a composite cover system that will limit the generation of vapors, odors or dust that could affect the community surrounding the site.

6.6 Evaluation of Human Health Exposure

Based upon the CSM, there is a potential soil vapor intrusion concern for on-site receptors, and the following is recommended to fully evaluate the potential exposure pathway:

- Soil vapor intrusion (SVI) assessment including sub-slab soil vapor and indoor sampling in occupied tenant spaces during the upcoming heating season in accordance with the NYSDOH Guidance and a NYSDEC-approved SRI work plan.

However, potential exposure pathways from soil and groundwater contamination to both on- and off-site receptors will remain incomplete, because they:

- are limited under current use conditions by the existing impervious cover, perimeter fencing limiting access to the eastern part of the site, and the fact that drinking water comes from a potable off-site source;
- would be avoided or mitigated during investigation/construction/remediation conditions through implementation of a CHASP and CAMP and other construction measures (dust suppression, soil/erosion sediment control plan, etc.) as needed; and

- would be mitigated through the implementation of proposed engineering controls (ECs) and ICs under future use conditions.

7.0 NATURE AND EXTENT OF CONTAMINATION

This section evaluates the nature and extent of soil, groundwater, soil vapor, and indoor air contamination as derived from a combination of field observations and analytical data that were discussed in Section 5.0.

7.1 Soil Contamination

7.1.1 Non-Native Fill

Non-native fill contains SVOCs (benzo[a]anthracene, benzo(a)pyrene, benzo[b]fluoranthene, benzo(k)fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene) and metals (barium, copper, hexavalent chromium, trivalent chromium, lead, mercury, nickel, and zinc) at concentrations above the applicable UU, PGW and/or RURR SCOs. Non-native fill was identified site-wide and ranges in depth from about 6 to 18 feet bgs based on visual observations and analytical results. SVOC and metals in non-native fill extends site-wide. An area of non-native fill in the western part of the site contains lead exhibiting characteristics of hazardous waste from 2 to at least 5 feet bgs; the depth and western/southern extents of the hazardous lead area have not been delineated. Non-native fill in the eastern and southern parts of the site contains pesticides (4,4'-DDE and 4,4'-DDT) exceeding the UU SCOs up to 4 feet bgs, and PCBs exceeding the UU SCOs were detected in the eastern part of the site from 0 to 2 feet bgs. Pesticides and total PCBs do not exceed the PGW and RURR SCOs, nor do these contaminants extend beneath groundwater.

7.1.2 Chlorinated VOC Impacts to Soil

Soil and non-native fill in the southern part of the site is impacted with chlorinated VOCs, including PCE and TCE, at concentrations exceeding the UU, PGW, and/or RURR SCOs. PCE was detected at a concentration exceeding UU SCOs and PGW SCOs in two samples collected from the southeastern and southern parts of the site, from depths of 2 to 6 feet bgs but not deeper than 8 feet bgs. TCE exceeded the UU SCO and PGW SCO from 3 to 4 feet bgs in a soil sample collected from the southern part of the site but did not exceed the RR SCO in any soil samples. Chlorinated VOC impacts to soil are attributed to historical use of the site for automotive repair. The chlorinated VOCs in soil are impacting soil vapor at the site, but there is no indication of impacts to groundwater.

7.2 Groundwater Contamination

7.2.1 SVOCs and Metals in Groundwater

SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were detected in groundwater at concentrations above NYSDEC SGVs in three monitoring wells located in the northern and central parts of the site (MW04, MW16, and MW25). Five metals (antimony, iron, magnesium, manganese, and sodium) were detected in filtered (dissolved phase) groundwater samples and six metals (antimony, iron, lead, magnesium, manganese, and sodium)

were detected in unfiltered groundwater samples at concentrations above the NYSDEC SGVs in monitoring wells across the site, with the exception of lead which was only detected at MW04.

The detections of SVOCs and lead in dissolved groundwater samples at concentrations above the NYSDEC SGVs are attributed to the presence of suspended solids derived from non-native fill entrained in the groundwater samples collected for laboratory analysis, are not attributed to historical on-site uses or other sources, and are not considered contaminants of concern. Dissolved antimony, iron, magnesium, manganese, and sodium were detected in dissolved groundwater samples, are characteristic of brackish and/or naturally occurring groundwater conditions, and are not considered contaminants of concern.

7.2.2 MTBE in Groundwater

One petroleum-related VOC, MTBE, was detected above the NYSDEC SGV of in one monitoring well (MW22) located in the northern part of the site and is attributed to off-site sources, based on the lack of detections of MTBE in soil samples collected during the RI and Phase II ESI. Off-site sources of MTBE in groundwater may include Block 2014, Lot 29 (119 West 145th Street), located to the north and upgradient of the site, which was historically used as a gasoline service station with several documented historical petroleum releases, including five closed NYSDEC spill cases (Spill Nos. 97-13385, 07-01951, 07-05883, 13-07182, and 14-09664).

7.3 Soil Vapor and Indoor Air Contamination

Petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, n-heptane, n-hexane, and/or toluene) and chlorinated VOCs (1,1,1-TCA, 1,1-dichloroethene, carbon tetrachloride, methylene chloride, PCE, TCE, and/or vinyl chloride) were detected in soil vapor samples collected across the site. PCE and TCE were detected at a concentration of 4,400 and 16 µg/m^3, respectfully, in a soil vapor sample (PH1_SV26) collected from the southern part of the site adjacent to where chlorinated VOC impacts to soil were identified. During the Phase II ESI, PCE was detected in two soil vapor samples collected from the central and eastern parts of the site (PH1_SV04 and PH1_SV02) at concentrations of 290 µg/m^3 and 146 µg/m^3, respectfully. Co-located indoor air samples were not collected these three locations (PH1_SV04, PH1_SV02, and PH1_SV26). However, PCE was detected in an indoor air sample collected from the northeastern part of the site (PH1_IA25) above the NYSDOH AGV but was not detected in the co-located soil vapor sample (PH1_SV25).

The detections of PCE and TCE in both soil and soil vapor in the southern part of the site indicate a potential soil vapor intrusion risk at the site.

8.0 CONCLUSIONS

The RI was completed between February 2023 and March 2024. The findings summarized herein are based on both qualitative data (field observations and instrumental readings) and soil, groundwater, vapor, and air laboratory analytical results from this RI and the previously conducted September to November 2020 Phase II ESI. Findings and conclusions are as follows:

1. Stratigraphy: A non-native fill layer was observed from surface grade to depths ranging from about 6 to 18 feet bgs and is composed predominantly of fine-grained gravel with varying amounts of sand, silt, brick, metal, concrete, glass, and coal. The fill layer is underlain by brown to gray fine-grained sand with varying amounts of gravel and silt. This stratigraphic unit was generally consistent across the site. About 2- and 8-foot-thick clay lenses were encountered at about 16 and 23.5 feet bgs in the southern part of the site. Bedrock was not encountered during the RI or the previously conducted Phase II ESI; however, bedrock was observed at depths ranging from 50 to 80 feet bgs at the site during Langan's geotechnical investigation completed in September-October 2020.

2. Hydrogeology: During the Langan Phase II ESI, depth to groundwater was gauged in four temporary groundwater monitoring wells and was observed between 11.58 to 13.31 feet bgs. During this RI, depth to groundwater was synoptically gauged in July 2023 in six permanent groundwater monitoring wells. Groundwater was observed at depths between 6.10 and 12.45 fbTOC with elevations ranging from el. 6.89 to 1.29 feet NAVD88. Groundwater at the site was evaluated and determined to generally flow to the south.

3. Non-Native Fill Quality: Non-native fill contains SVOCs (benzo[a]anthracene, benzo(a)pyrene, benzo[b]fluoranthene, benzo(k)fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene), metals (barium, copper, hexavalent chromium, trivalent chromium, lead, mercury, nickel, and zinc), pesticides (4,4'-DDE and 4,4'-DDT), and total PCBs at concentrations above UU, PGW, and/or RURR SCOs. VOCs were detected in the non-native fill layer in an isolated area of the site but are attributed to historical on-site uses, as discussed below. An area of non-native fill in the western part of the site contains lead exhibiting characteristics of hazardous waste from 2 to at least 5 feet bgs; the depth and western/southern extents of the hazardous lead area were not fully delineated during the RI. Additional delineation of the hazardous lead-impacted soil will be completed as part of a forthcoming waste characterization investigation prior to the start of or during remediation/construction.

4. Chlorinated VOC Impacts in Soil: Soil and non-native fill in the southern part of the site contained concentrations of PCE and TCE exceeding the UU, PGW, and/or RR SCOs. PCE was detected at a concentration exceeding UU SCOs and PGW SCOs down to 6 feet bgs and at a concentration exceeding RR SCOs down to 4 feet bgs in the southeastern part of the site. TCE was detected at a concentration exceeding the UU SCO and PGW SCO from 3 to 4 feet bgs in the southern part of the site, but did not exceed the RR SCO. The chlorinated VOCs in soil are attributed to

historical automotive repair uses at the site and are impacting soil vapor at the site but were not detected in groundwater above the NYSDEC SGVs.

5. SVOC and Metal Impacts in Groundwater: SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were detected in groundwater at concentrations above NYSDEC SGVs in three monitoring wells located in the northern and central parts of the site (MW04, MW16, and MW25). Lead was detected at a concentration above the NYSDEC SGV in one unfiltered groundwater sample collected from the southern part of the site (MW04), but not in the corresponding filtered groundwater sample. SVOC and metal impacts in groundwater are attributed to the presence of suspended solids derived from non-native fill entrained in the groundwater samples, are not attributed to historical on-site uses or other sources, and are not considered contaminants of concern.

6. MTBE Impacts to Groundwater: One VOC, MTBE, was detected above the NYSDEC SGV of in one monitoring well (MW22) located in the northern part of the site. MTBE in groundwater in the northern part of the site is attributed to off-site sources, based on the lack of detections of MTBE in soil samples collected during the RI and Phase II ESI. Off-site sources of MTBE in groundwater may include Block 2014, Lot 29 (119 West 145th Street), located to the north and upgradient of the site, which was historically used as a gasoline service station with several documented petroleum releases, including five closed NYSDEC spill cases (Spill Nos. 97-13385, 07-01951, 07-05883, 13-07182, and 14-09664).

7. Soil Vapor and Indoor Air Impacts: Petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, n-heptane, n-hexane, and/or toluene) and chlorinated VOCs (1,1,1-TCA, 1,1-dichloroethene, carbon tetrachloride, methylene chloride, PCE, TCE, and/or vinyl chloride) were detected in soil vapor samples collected across the site. PCE and TCE were detected in soil vapor samples collected from the southern, central, and eastern parts of the site. PCE was detected in one indoor air sample collected from the northeastern part of the site (PH1_IA25) above the NYSDOH AGV but was not detected in the co-located soil vapor sample.

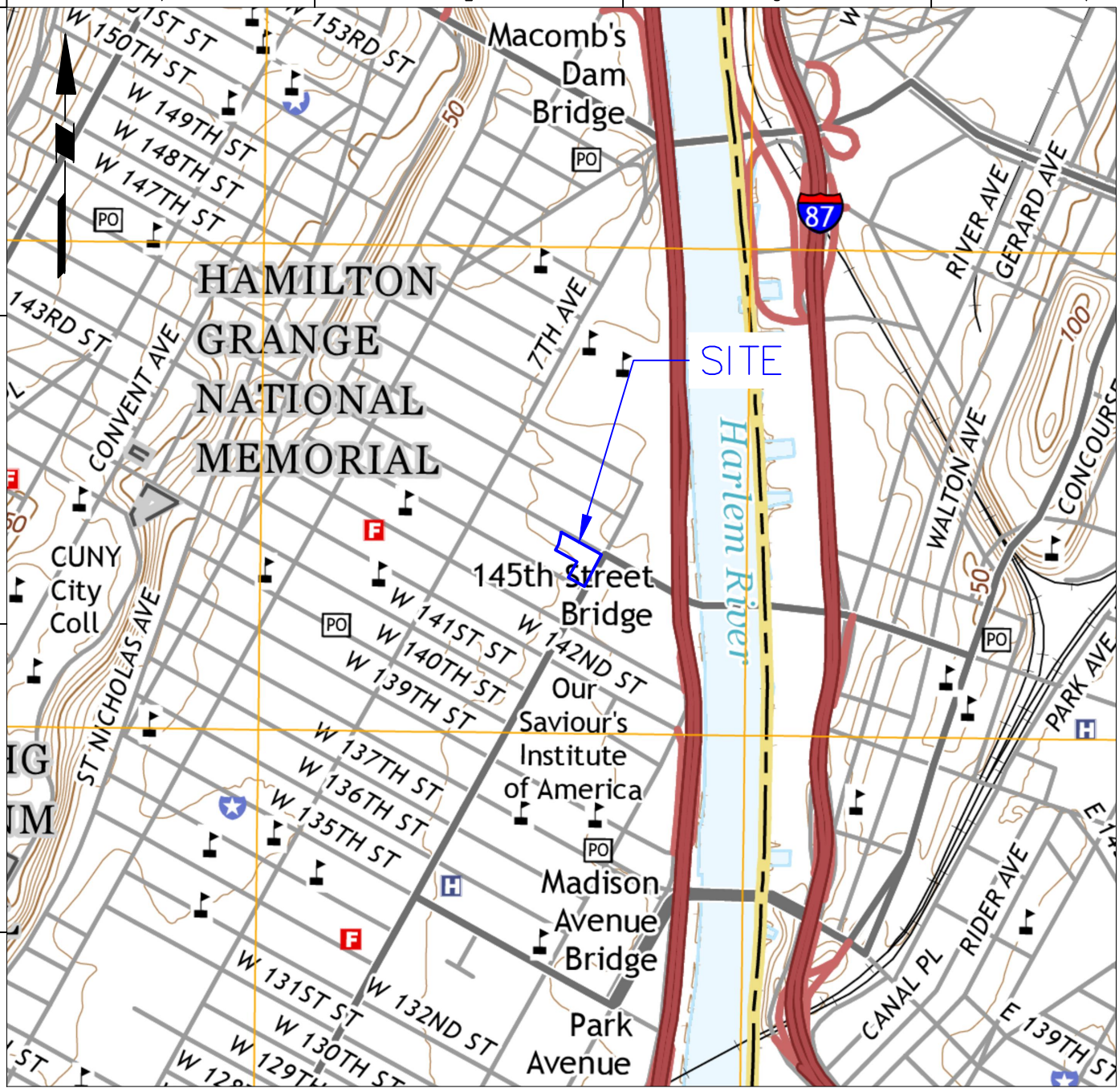
8. The historical automotive repair uses (former Lot 29) are the likely source of chlorinated VOCs (PCE and TCE) in soil and soil vapor in the southern part of the site. The detections of PCE and TCE in both soil and soil vapor in the southern part of the site, and the detection of PCE in the indoor sample collected from the northern part of the site, indicate a potential soil vapor intrusion risk at the site.

9. An SVI evaluation of occupied tenant spaces during the upcoming heating season is recommended to further evaluate the potential soil vapor intrusion exposure pathway. Sampling should include co-located sub-slab and indoor air samples. Based on the sampling results, further actions may be recommended to address this potential exposure pathway prior to site

remediation/construction. An SRI work plan will be submitted to NYSDEC and NYSDOH under separate cover for review and approval.

9.0 REFERENCES

1. New York State Department of Health, Final Guidance for the Evaluation of Soil Vapor Intrusion in the State of New York, dated October 2006 and applicable revisions (May 2017).
2. New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft Brownfield Cleanup Program Guide, dated May 2004.
3. New York State Department of Environmental Conservation, DER-10 Technical Guidance for Site Investigation and Remediation, issued May 3, 2010; effective June 18, 2010.
4. New York State Department of Environmental Conservation, Part 375 of Title 6 of the New York Codes, Rules, and Regulations, Effective December 14, 2006.
5. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Guidance Values (SGV) dated June 1998.
6. New York State Department of Environmental Conservation, Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS), April 2023.
7. United States Environmental Protection Agency, Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EQASOP-GW 001, September 19, 2017.
8. United States Geological Survey "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," dated 1994.
9. Langan, Phase I ESA Report for One45, 691 Lenox Avenue, New York, NY, November 10, 2020.
10. Langan Phase II ESI Report for One45, 691 Lenox Avenue, New York, NY, February 24, 2021.
11. Langan Phase 1 Geotechnical Engineering Report, 691 Lenox Avenue New York, NY, November 19, 2020
12. Langan Supplemental Soil Sampling Event, 691 Lenox Avenue, New York, NY, September 22 through October 5, 2021



LEGEND

APPROXIMATE SITE BOUNDARY

NOTES:
1. BASE MAP SOURCE: UNITED STATES GEOLOGICAL SURVEY TOPOGRAPHIC MAP, CENTRAL PARK QUADRANGLE, 2016
2. NORTH ARROW SHOWS TRUE NORTH.
3. NOT TO SCALE.

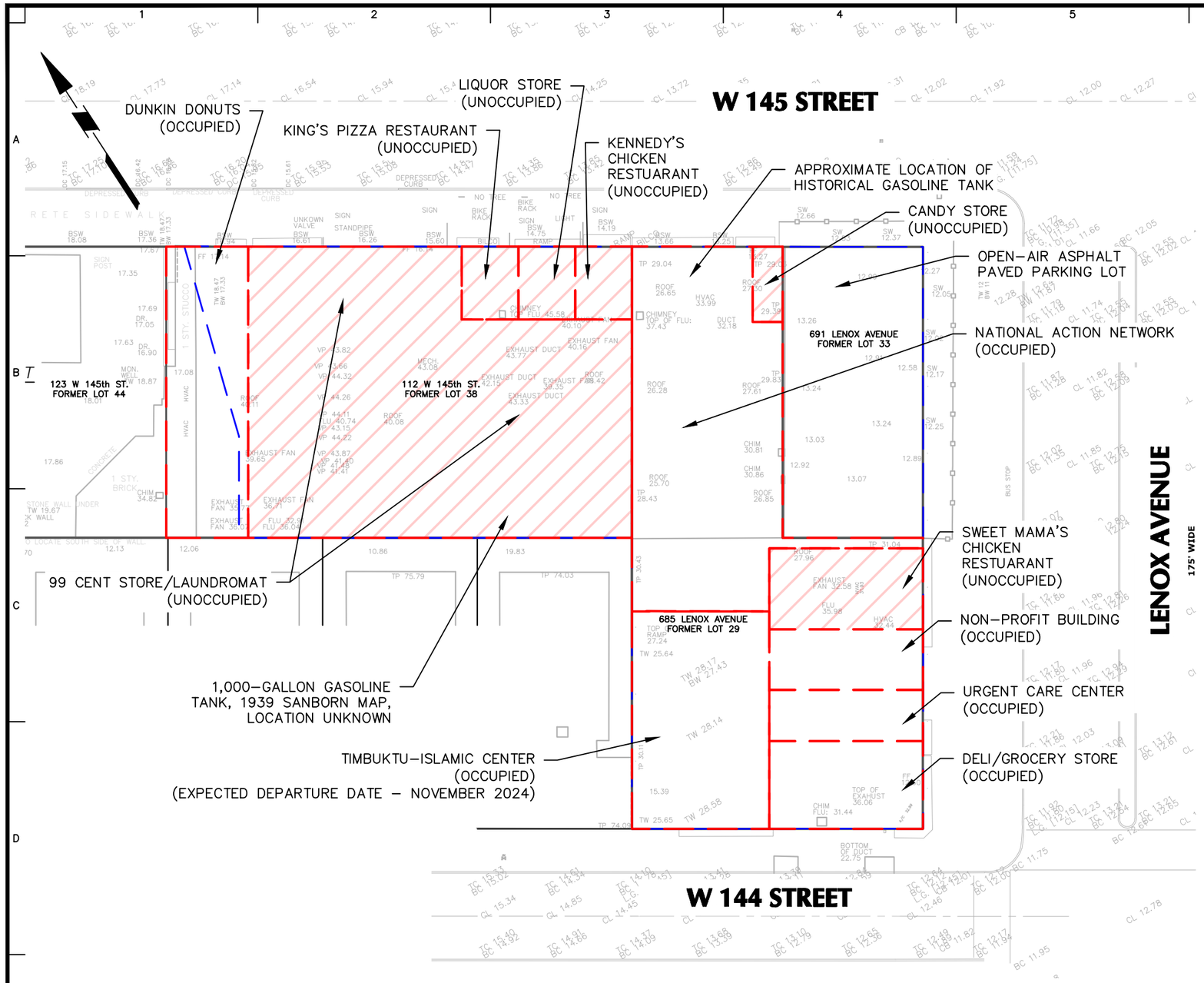
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Project	691 LENOX AVENUE - PHASE 1 BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o 38) MANHATTAN NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170635401
Date	5/10/2022
Drawn By	TG
Checked By	GW
Figure No.	1

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LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- APPROXIMATE TENANT SPACE BOUNDARIES
- TENANT SPACE UNOCCUPIED

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. HISTORICAL GASOLINE TANK LOCATION IS APPROXIMATE AND IS INTERPRETED FROM SANBORN FIRE INSURANCE MAPS DATED 1939.

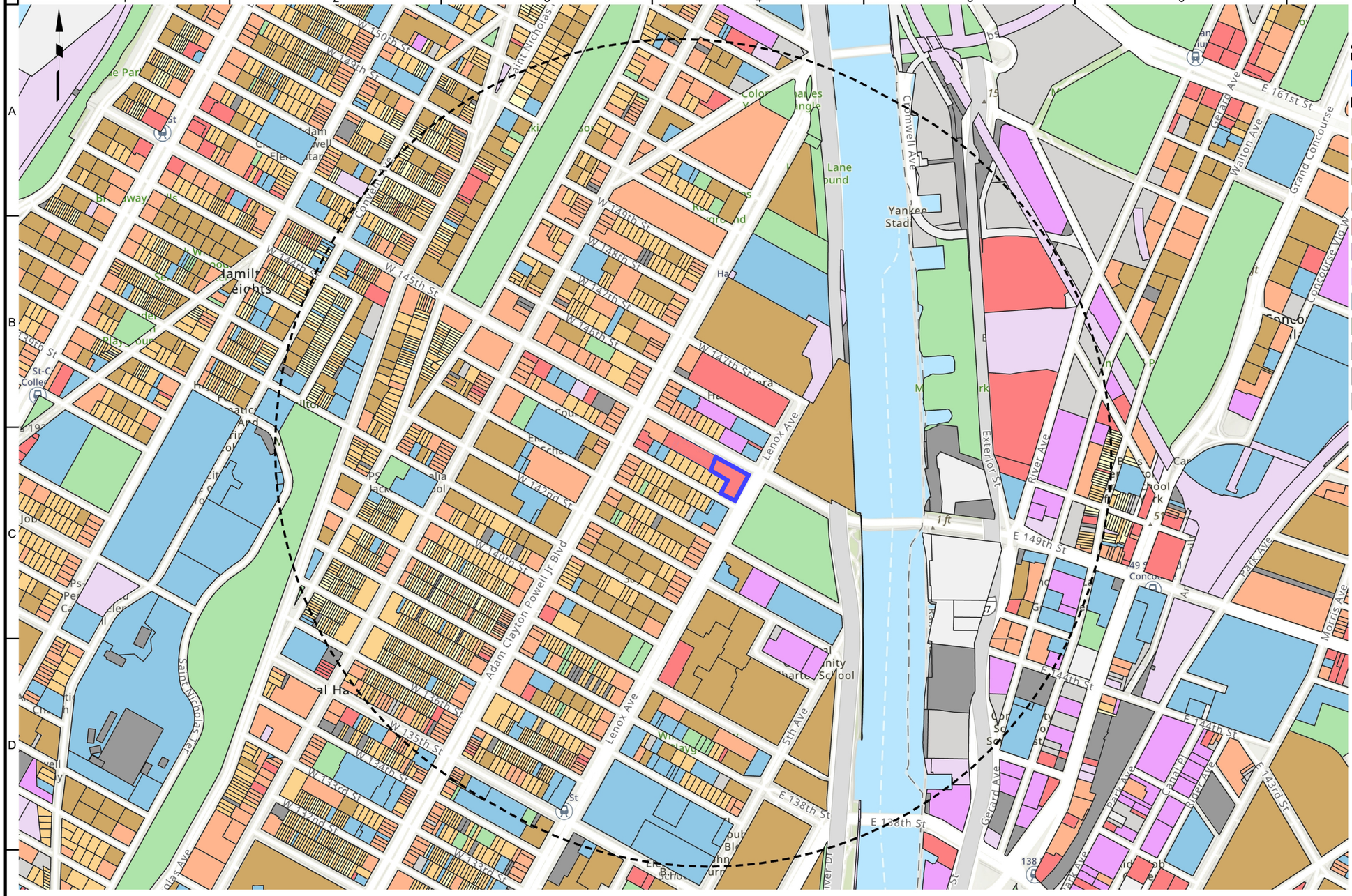
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Figure Title	SITE PLAN
Project No.	170635401
Date	09/12/2024
Drawn By	JF
Checked By	GW
Figure No.	2

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Notes:
1. Topographic map provided through Langan's ArcGIS software subscription and ArcGIS Online.
2. Land use data provided by the New York City Department of City Planning.

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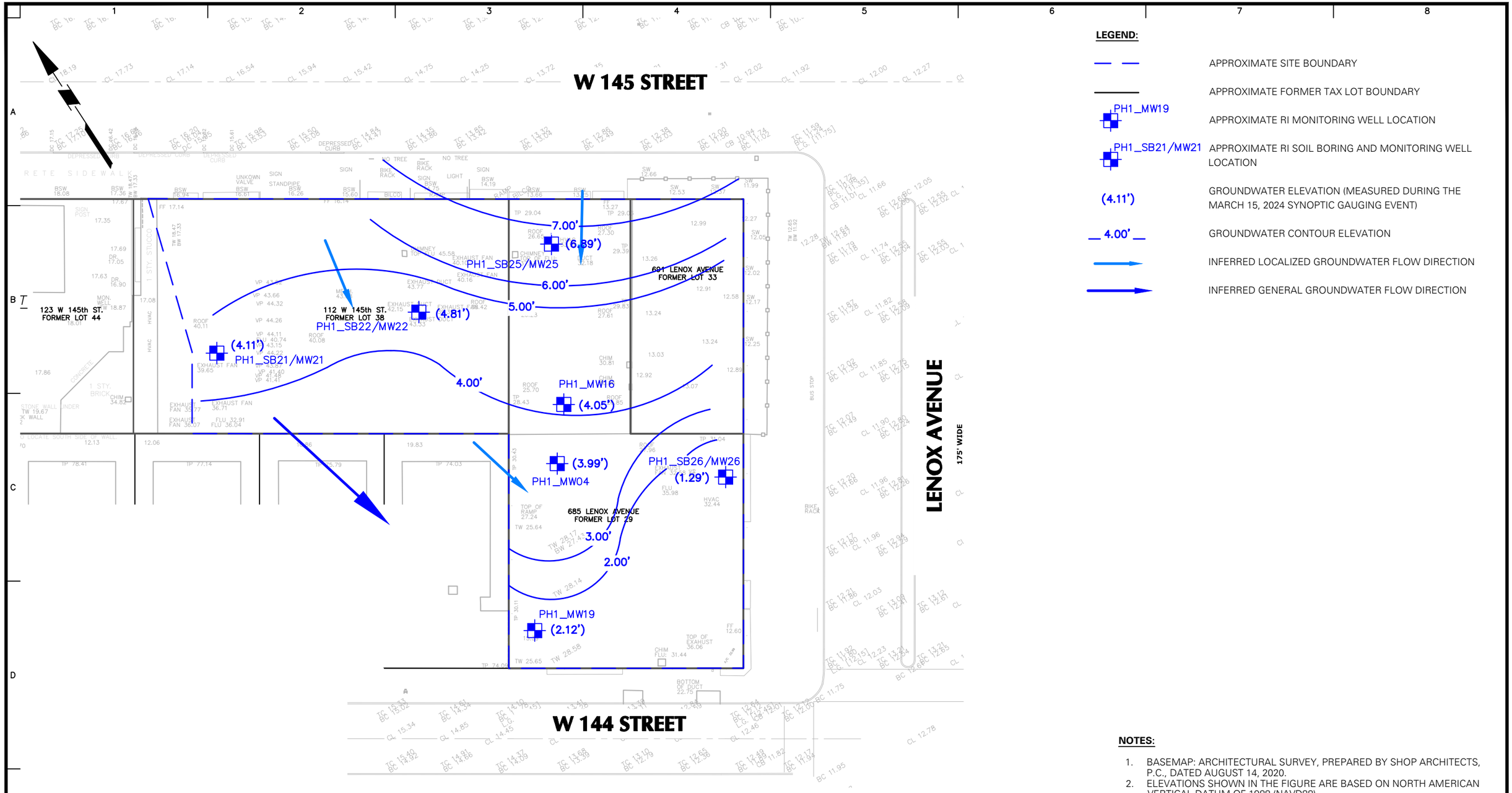
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691 LENOX AVENUE - PHASE 1
BLOCK No. 2013, p/o LOT No. 29
(FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title
LAND USE MAP

Project No.	170635401
Date	9/3/2024
Scale	1"=700'
Drawn By	GS
Figure No.	3

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LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_MW19 — APPROXIMATE RI MONITORING WELL LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION
- (4.11') — GROUNDWATER ELEVATION (MEASURED DURING THE MARCH 15, 2024 SYNOPTIC GAUGING EVENT)
- 4.00' — GROUNDWATER CONTOUR ELEVATION
- INFERRED LOCALIZED GROUNDWATER FLOW DIRECTION
- INFERRED GENERAL GROUNDWATER FLOW DIRECTION

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. ESI = ENVIRONMENTAL SITE INVESTIGATION
5. RI = REMEDIAL INVESTIGATION

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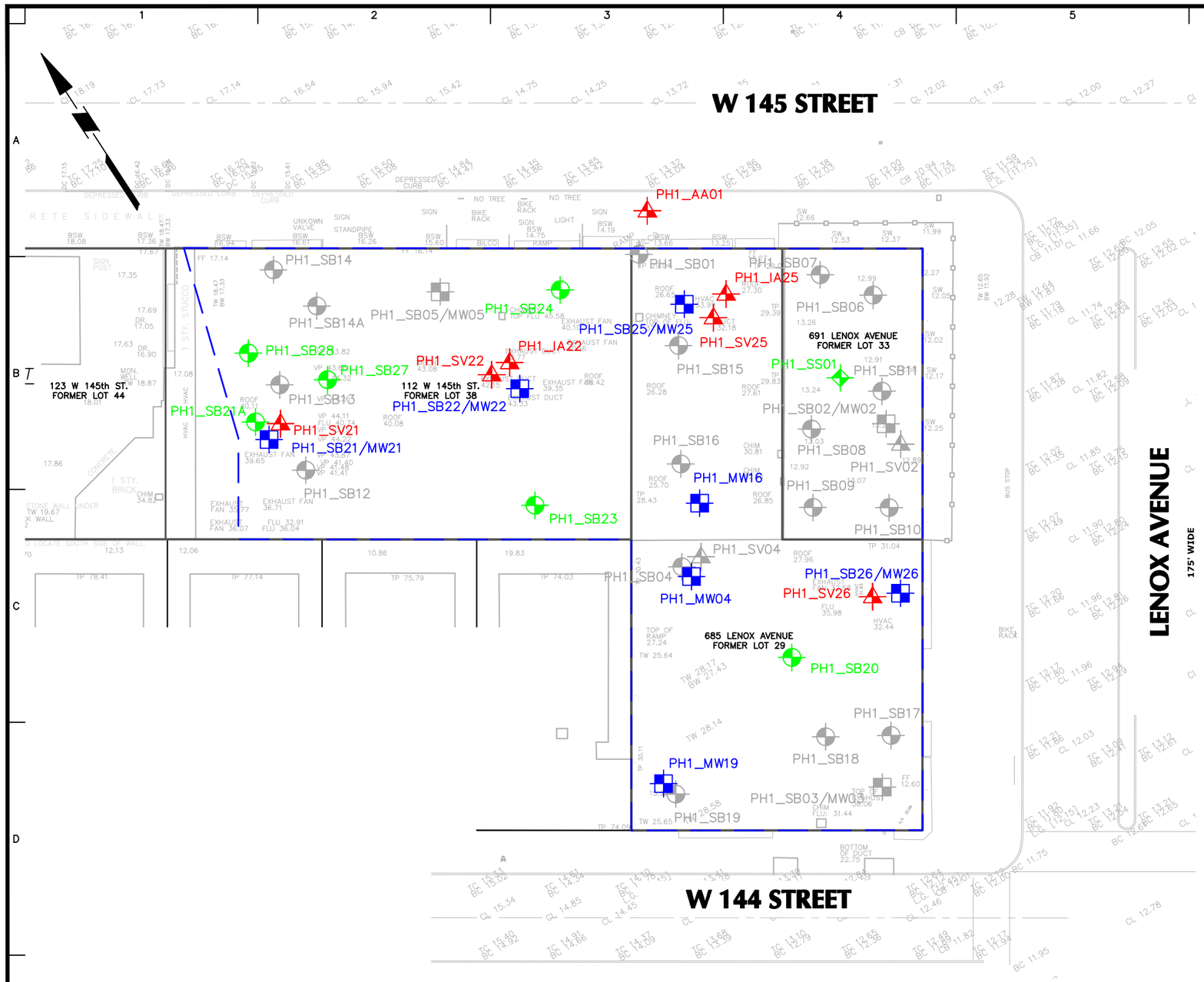
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Figure Title	GROUNDWATER CONTOUR ELEVATION MAP
Project No.	170635401
Date	09/12/2024
Drawn By	JF
Checked By	GW
Figure No.	4

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Filename: \\langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - RIR\Figure XX - Site Plan.dwg Date: 9/25/2024 Time: 17:10 User: vkanagaratnam Style Table: Langan.stb Layout: Figure 4 - Groundwater Elevation Contour Map



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB01 — APPROXIMATE PHASE II ESI SOIL BORING LOCATION
- PH1_SB02/MW02 — APPROXIMATE PHASE II ESI SOIL BORING AND MONITORING WELL LOCATION
- PH1_SV02 — APPROXIMATE PHASE II ESI SOIL VAPOR POINT LOCATION
- PH1_SB20 — APPROXIMATE RI SOIL BORING LOCATION
- PH1_SS01 — APPROXIMATE RI SURFACE SOIL SAMPLE LOCATION
- PH1_MW19 — APPROXIMATE RI MONITORING WELL LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION
- PH1_SV21 — APPROXIMATE RI SOIL VAPOR AND SUB-SLAB SOIL POINT LOCATION

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. ESI = ENVIRONMENTAL SITE INVESTIGATION
5. RI = REMEDIAL INVESTIGATION

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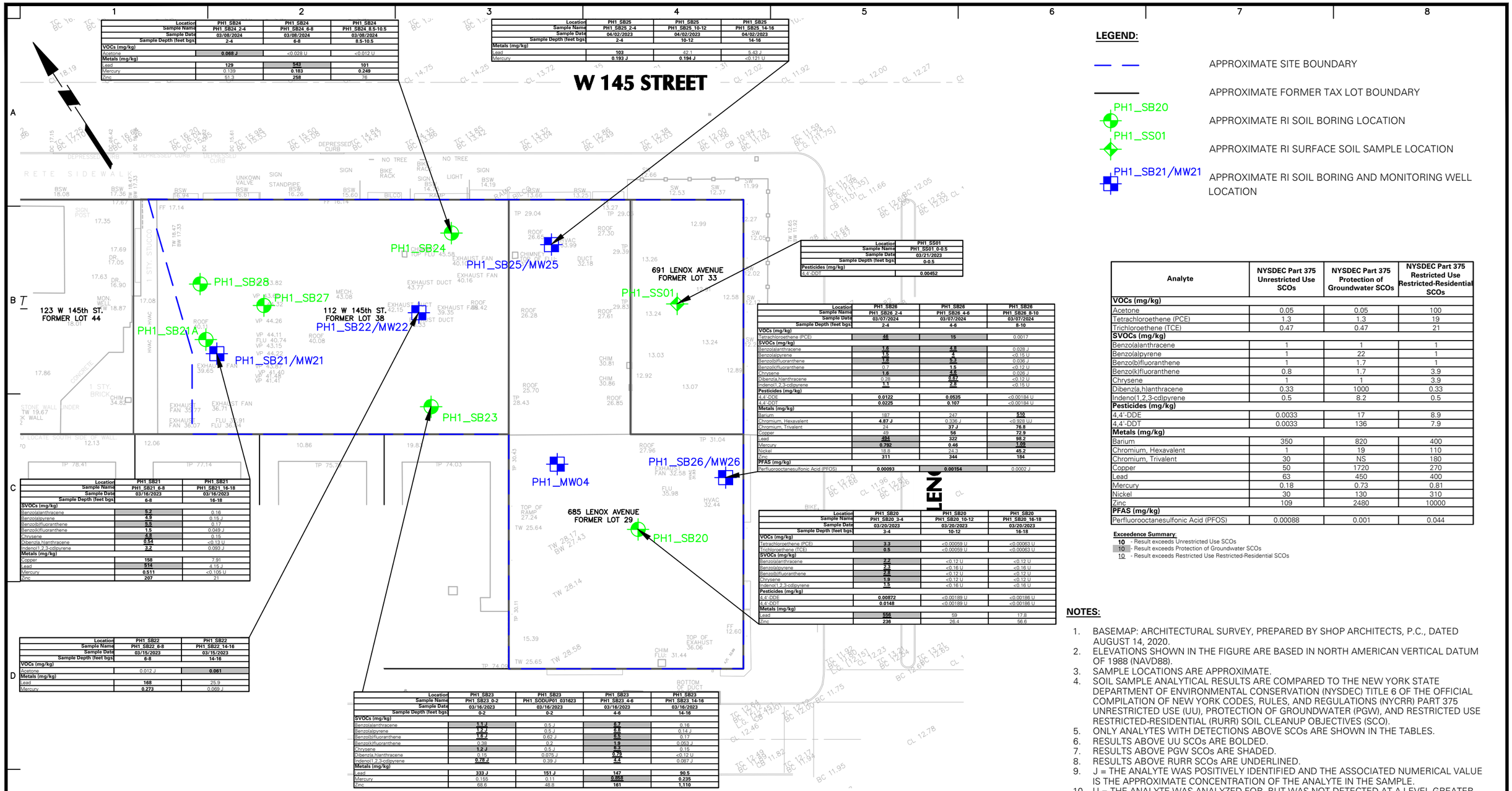
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Project	Figure Title	Project No.	Figure No.
691 LENOX AVENUE - PHASE 1 BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38) MANHATTAN NEW YORK	SAMPLE LOCATION PLAN	170635401	5
		Date: 09/12/2024	
		Drawn By: JF	
		Checked By: GW	

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Filename: \\langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - RIR\Figure XX - Site Plan.dwg Date: 9/23/2024 Time: 17:02 User: vkanagaratnam Style Table: Langan.stb Layout: Figure 5 - Sample Location Plan



Location	PH1_SB24	PH1_SB24	PH1_SB24
Sample Name	PH1_SB24 2-4	PH1_SB24 6-8	PH1_SB24 8.5-10.5
Sample Date	03/08/2024	03/08/2024	03/08/2024
Sample Depth (feet bgs)	2-4	6-8	8.5-10.5
VOCs (mg/kg)			
Acetone	0.068 J	<0.028 U	<0.012 U
Metals (mg/kg)			
Lead	129	543	101
Mercury	0.139	0.183	0.249
Zinc	51.3	258	76

Location	PH1_SB25	PH1_SB25	PH1_SB25
Sample Name	PH1_SB25 2-4	PH1_SB25 10-12	PH1_SB25 14-16
Sample Date	04/02/2023	04/02/2023	04/02/2023
Sample Depth (feet bgs)	2-4	10-12	14-16
Metals (mg/kg)			
Lead	103	42.1	5.43 J
Mercury	0.193 J	0.194 J	<0.121 U

Location	PH1_SS01
Sample Name	PH1_SS01 0-0.5
Sample Date	03/21/2023
Sample Depth (feet bgs)	0-0.5
Pesticides (mg/kg)	
4,4'-DDT	0.00452

Location	PH1_SB26	PH1_SB26	PH1_SB26
Sample Name	PH1_SB26_2-4	PH1_SB26_4-6	PH1_SB26_8-10
Sample Date	03/07/2024	03/07/2024	03/07/2024
Sample Depth (feet bgs)	2-4	4-6	8-10
VOCs (mg/kg)			
Tetrachloroethene (PCE)	46	15	0.0017
SVOCs (mg/kg)			
Benzo(a)anthracene	1.6	4.8	0.028 J
Benzo(a)pyrene	1.5	4	<0.16 U
Benzo(b)fluoranthene	1.8	5.3	0.036 J
Benzo(k)fluoranthene	0.7	1.5	<0.12 U
Chrysene	1.6	4.6	0.026 J
Dibenz(a,h)anthracene	0.28	0.67	<0.12 U
Indeno(1,2,3-cd)pyrene	1.1	2.8	<0.15 U
Pesticides (mg/kg)			
4,4'-DDE	0.0122	0.0535	<0.00184 U
4,4'-DDT	0.0225	0.107	<0.00184 U
Metals (mg/kg)			
Barium	187	247	510
Chromium, Hexavalent	4.87 J	0.336 J	<0.928 UJ
Chromium, Trivalent	24	37 J	76.8
Copper	49	56	72.9
Lead	494	322	98.2
Mercury	0.792	0.46	1.09
Nickel	18.8	24.3	45.2
Zinc	311	344	184
PFAS (mg/kg)			
Perfluorooctanesulfonic Acid (PFOS)	0.00093	0.00154	0.0002 J

Location	PH1_SB20	PH1_SB20	PH1_SB20
Sample Name	PH1_SB20 3-4	PH1_SB20_10-12	PH1_SB20_16-18
Sample Date	03/20/2023	03/20/2023	03/20/2023
Sample Depth (feet bgs)	3-4	10-12	16-18
VOCs (mg/kg)			
Tetrachloroethene (PCE)	3.3	<0.00059 U	<0.00063 U
Trichloroethene (TCE)	0.5	<0.00059 U	<0.00063 U
SVOCs (mg/kg)			
Benzo(a)anthracene	2.2	<0.12 U	<0.12 U
Benzo(a)pyrene	2.3	<0.16 U	<0.16 U
Benzo(b)fluoranthene	2.8	<0.12 U	<0.12 U
Chrysene	1.9	<0.12 U	<0.12 U
Indeno(1,2,3-cd)pyrene	1.5	<0.16 U	<0.16 U
Pesticides (mg/kg)			
4,4'-DDE	0.00872	<0.00189 U	<0.00186 U
4,4'-DDT	0.0148	<0.00189 U	<0.00186 U
Metals (mg/kg)			
Lead	556	59	17.8
Zinc	236	26.4	56.6

Location	PH1_SB21	PH1_SB21
Sample Name	PH1_SB21_6-8	PH1_SB21_16-18
Sample Date	03/16/2023	03/16/2023
Sample Depth (feet bgs)	6-8	16-18
SVOCs (mg/kg)		
Benzo(a)anthracene	5.2	0.16
Benzo(a)pyrene	4.9	0.15 J
Benzo(b)fluoranthene	5.5	0.17
Benzo(k)fluoranthene	1.5	0.049 J
Chrysene	4.8	0.15
Dibenz(a,h)anthracene	0.54	<0.13 U
Indeno(1,2,3-cd)pyrene	3.2	0.093 J
Metals (mg/kg)		
Copper	158	7.91
Lead	514	4.15 J
Mercury	0.511	<0.105 U
Zinc	207	21

Location	PH1_SB22	PH1_SB22
Sample Name	PH1_SB22_6-8	PH1_SB22_14-16
Sample Date	03/15/2023	03/15/2023
Sample Depth (feet bgs)	6-8	14-16
VOCs (mg/kg)		
Acetone	0.012 J	0.061
Metals (mg/kg)		
Lead	168	25.9
Mercury	0.273	0.069 J

Location	PH1_SB23	PH1_SB23	PH1_SB23	PH1_SB23
Sample Name	PH1_SB23_0-2	PH1_SODUP01_031623	PH1_SB23_4-6	PH1_SB23_14-16
Sample Date	03/16/2023	03/16/2023	03/16/2023	03/16/2023
Sample Depth (feet bgs)	0-2	0-2	4-6	14-16
SVOCs (mg/kg)				
Benzo(a)anthracene	1.1 J	0.5 J	5.7	0.16
Benzo(a)pyrene	1.2 J	0.5 J	6.9	0.14 J
Benzo(b)fluoranthene	1.6 J	0.62 J	8.5	0.17
Benzo(k)fluoranthene	0.38	0.2	1.9	0.053 J
Chrysene	1.2 J	0.5 J	6.3	0.15
Dibenz(a,h)anthracene	0.15	0.075 J	0.79	<0.12 U
Indeno(1,2,3-cd)pyrene	0.78 J	0.39 J	4.4	0.087 J
Metals (mg/kg)				
Lead	333 J	151 J	147	90.5
Mercury	0.155	0.11	0.858	0.235
Zinc	68.6	48.8	161	1,110

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB20 — APPROXIMATE RI SOIL BORING LOCATION
- PH1_SS01 — APPROXIMATE RI SURFACE SOIL SAMPLE LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
VOCs (mg/kg)			
Acetone	0.05	0.05	100
Tetrachloroethene (PCE)	1.3	1.3	19
Trichloroethene (TCE)	0.47	0.47	21
SVOCs (mg/kg)			
Benzo(a)anthracene	1	1	1
Benzo(a)pyrene	1	22	1
Benzo(b)fluoranthene	1	1.7	1
Benzo(k)fluoranthene	0.8	1.7	3.9
Chrysene	1	1	3.9
Dibenz(a,h)anthracene	0.33	1000	0.33
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5
Pesticides (mg/kg)			
4,4'-DDE	0.0033	17	8.9
4,4'-DDT	0.0033	136	7.9
Metals (mg/kg)			
Barium	350	820	400
Chromium, Hexavalent	1	19	110
Chromium, Trivalent	30	NS	180
Copper	50	1720	270
Lead	63	450	400
Mercury	0.18	0.73	0.81
Nickel	30	130	310
Zinc	109	2480	10000
PFAS (mg/kg)			
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.001	0.044

Exceedence Summary:
- **10** - Result exceeds Unrestricted Use SCOs
- **10** - Result exceeds Protection of Groundwater SCOs
- **10** - Result exceeds Restricted Use Restricted-Residential SCOs

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. 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 (UU), PROTECTION OF GROUNDWATER (PGW), AND RESTRICTED USE RESTRICTED-RESIDENTIAL (RURR) SOIL CLEANUP OBJECTIVES (SCO).
5. ONLY ANALYTES WITH DETECTIONS ABOVE SCOs ARE SHOWN IN THE TABLES.
6. RESULTS ABOVE UU SCOs ARE BOLDED.
7. RESULTS ABOVE PGW SCOs ARE SHADED.
8. RESULTS ABOVE RURR SCOs ARE UNDERLINED.
9. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.
10. U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE REPORTING LIMIT OR THE SAMPLE CONCENTRATION FOR THE RESULTS IMPACTED BY BLANK CONTAMINATION.
11. mg/kg = MILLIGRAM PER KILOGRAM
12. RI = REMEDIAL INVESTIGATION
13. VOC = VOLATILE ORGANIC COMPOUND

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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Project: 691 LENOX AVENUE - PHASE 1
BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No. 170635401
Date 09/12/2024
Drawn By JF
Checked By GW

Figure No. 6A

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Location	PH1_SB28	PH1_SB28	PH1_SB28	PH1_SB28
Sample Name	PH1_SB28_1-2	PH1_SB28_2-3	PH1_SB28_3-4	PH1_SB28_4-5
Sample Date	03/17/2023	03/17/2023	03/17/2023	03/17/2023
Sample Depth (feet bgs)	1-2	2-3	3-4	4-5
Metals - Total (mg/kg)				
Lead	1,010	1,740	270	361
Metals - TCLP (mg/l)				
Lead	0.0744 J	0.0897 J	0.127 J	0.115 J

Location	PH1_SB27	PH1_SB27	PH1_SB27	PH1_SB27
Sample Name	PH1_SB27_1-2	PH1_SB27_2-3	PH1_SB27_3-4	PH1_SB27_4-5
Sample Date	03/14/2023	03/14/2023	03/14/2023	03/14/2023
Sample Depth (feet bgs)	1-2	2-3	3-4	4-5
Metals - Total (mg/kg)				
Lead	373	528	1,090	576
Metals - TCLP (mg/l)				
Lead	0.0806 J	0.43 J	0.633	3.4

Location	PH1_SB21A	PH1_SB21A	PH1_SB21A	PH1_SB21A	PH1_SB21A
Sample Name	PH1_SB21A_1-2	PH1_SB21A_2-3	PH1_SB21A_3-4	PH1_SB21A_4-5	PH1_S0DUP03_031723
Sample Date	03/17/2023	03/17/2023	03/17/2023	03/17/2023	03/17/2023
Sample Depth (feet bgs)	1-2	2-3	3-4	4-5	4-5
Metals - Total (mg/kg)					
Lead	263	273	2,560	5,060	4,830
Metals - TCLP (mg/l)					
Lead	0.107 J	0.203 J	9.08	13.9	11.6

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB20 — APPROXIMATE RI SOIL BORING LOCATION
- PH1_SS01 — APPROXIMATE RI SURFACE SOIL SAMPLE LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	RCRA Characteristics of Hazardous Waste
Metals - Total (mg/kg)				
Lead	63	450	400	NS
Metals - TCLP (mg/l)				
Lead	NS	NS	NS	5

Exceedence Summary:

- **10** - Result exceeds Unrestricted Use SCOs
- 10 - Result exceeds Protection of Groundwater SCOs
- 10 - Result exceeds Restricted Use Restricted-Residential SCOs
- 10 - Result above the RCRA Maximum Concentrations of Contaminants for the Toxicity Characteristic

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. 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 (UU), PROTECTION OF GROUNDWATER (PGW), AND RESTRICTED USE RESTRICTED-RESIDENTIAL (RURR) SOIL CLEANUP OBJECTIVES (SCO).
5. ONLY ANALYTES WITH DETECTIONS ABOVE SCOs ARE SHOWN IN THE TABLES.
6. RESULTS ABOVE UU SCOs ARE BOLDED.
7. RESULTS ABOVE PGW SCOs ARE SHADED.
8. RESULTS ABOVE RURR SCOs ARE UNDERLINED.
9. RESULTS ABOVE THE RCRA MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC ARE IN RED.
10. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.
11. mg/kg = MILLIGRAM PER KILOGRAM
12. mg/l = MILLIGRAM PER LITER
13. RCRA = RESOURCE CONSERVATION AND RECOVERY ACT
14. TCLP = TOXICITY CHARACTERISTIC LEACHING PROCEDURE
15. RI = REMEDIAL INVESTIGATION

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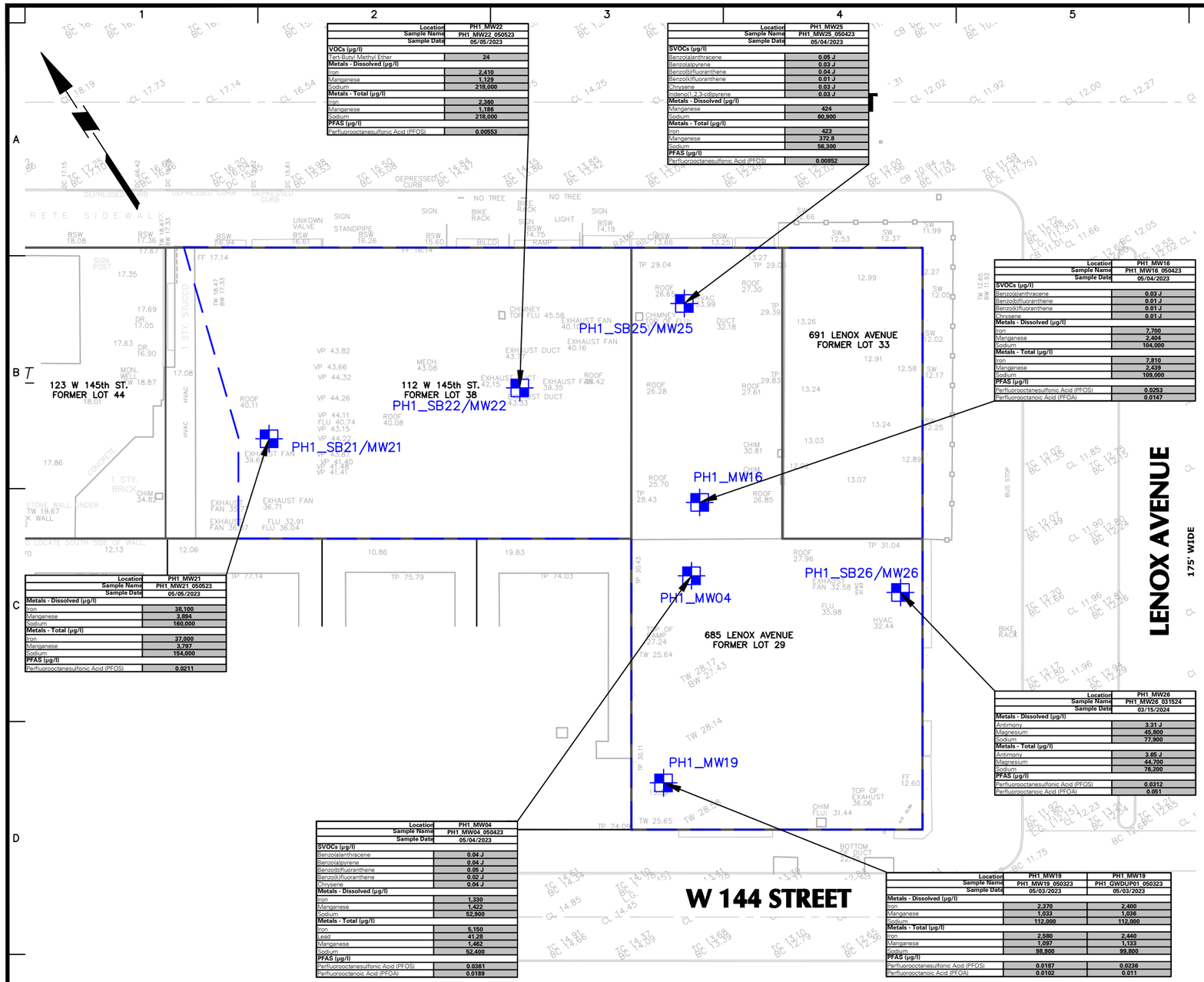
Figure Title: SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP (LEAD DELINEATION)

Project No. 170635401
Date 09/12/2024
Drawn By JF
Checked By GW

Figure No. 6B

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Location	PH1_MW22
Sample Name	PH1_MW22_050523
Sample Date	05/05/2023
VOCs (µg/l)	
Tert-Butyl Methyl Ether	24
Metals - Dissolved (µg/l)	
Iron	2,410
Manganese	1,129
Sodium	218,000
Metals - Total (µg/l)	
Iron	2,360
Manganese	1,186
Sodium	218,000
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.00553

Location	PH1_MW25
Sample Name	PH1_MW25_050423
Sample Date	05/04/2023
SVOCs (µg/l)	
Benzo(a)anthracene	0.05 J
Benzo(a)pyrene	0.03 J
Benzo(b)fluoranthene	0.04 J
Benzo(k)fluoranthene	0.01 J
Chrysene	0.03 J
Indeno(1,2,3-cd)pyrene	0.03 J
Metals - Dissolved (µg/l)	
Manganese	424
Sodium	60,900
Metals - Total (µg/l)	
Iron	423
Manganese	372.8
Sodium	56,300
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.00852

Location	PH1_MW16
Sample Name	PH1_MW16_050423
Sample Date	05/04/2023
SVOCs (µg/l)	
Benzo(a)anthracene	0.03 J
Benzo(b)fluoranthene	0.01 J
Benzo(k)fluoranthene	0.01 J
Chrysene	0.01 J
Metals - Dissolved (µg/l)	
Iron	7,700
Manganese	2,404
Sodium	104,000
Metals - Total (µg/l)	
Iron	7,810
Manganese	2,439
Sodium	109,000
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.0253
Perfluorooctanoic Acid (PFOA)	0.0147

Location	PH1_MW21
Sample Name	PH1_MW21_050523
Sample Date	05/05/2023
Metals - Dissolved (µg/l)	
Iron	38,100
Manganese	3,894
Sodium	160,000
Metals - Total (µg/l)	
Iron	37,000
Manganese	3,797
Sodium	154,000
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.0211

Location	PH1_MW04
Sample Name	PH1_MW04_050423
Sample Date	05/04/2023
SVOCs (µg/l)	
Benzo(a)anthracene	0.04 J
Benzo(a)pyrene	0.04 J
Benzo(b)fluoranthene	0.05 J
Benzo(k)fluoranthene	0.02 J
Chrysene	0.04 J
Metals - Dissolved (µg/l)	
Iron	1,330
Manganese	1,422
Sodium	52,900
Metals - Total (µg/l)	
Iron	5,150
Lead	41.28
Manganese	1,462
Sodium	52,400
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.0361
Perfluorooctanoic Acid (PFOA)	0.0189

Location	PH1_MW19	PH1_MW19
Sample Name	PH1_MW19_050323	PH1_GWDUP01_050323
Sample Date	05/03/2023	05/03/2023
Metals - Dissolved (µg/l)		
Iron	2,370	2,400
Manganese	1,033	1,036
Sodium	112,000	112,000
Metals - Total (µg/l)		
Iron	2,580	2,440
Manganese	1,097	1,133
Sodium	98,900	99,800
PFAS (µg/l)		
Perfluorooctanesulfonic Acid (PFOS)	0.0187	0.0236
Perfluorooctanoic Acid (PFOA)	0.0102	0.011

Location	PH1_MW26
Sample Name	PH1_MW26_031524
Sample Date	03/15/2024
Metals - Dissolved (µg/l)	
Antimony	3.31 J
Magnesium	45,800
Sodium	77,900
Metals - Total (µg/l)	
Antimony	3.65 J
Magnesium	44,700
Sodium	76,200
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.0312
Perfluorooctanoic Acid (PFOA)	0.051

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_MW16 — APPROXIMATE RI MONITORING WELL LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC SGVs
VOCs (µg/l)	
Tert-Butyl Methyl Ether	10
SVOCs (µg/l)	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Metals - Dissolved (µg/l)	
Antimony	3
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000
Metals - Total (µg/l)	
Antimony	3
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000
PFAS (µg/l)	
Perfluorooctanesulfonic Acid (PFOS)	0.0027
Perfluorooctanoic Acid (PFOA)	0.0067

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGV).
3. ONLY ANALYTES WITH DETECTIONS ABOVE SGVs ARE SHOWN IN THE TABLES.
4. RESULTS ABOVE THE SGVs ARE BOLDED AND SHADED.
5. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.
6. µg/L = MICROGRAM PER LITER.
7. RI = REMEDIAL INVESTIGATION
8. VOC = VOLATILE ORGANIC COMPOUND
9. SVOC = SEMIVOLATILE ORGANIC COMPOUND
10. PFAS = PER- AND POLYFLUOROALKYL SUBSTANCES

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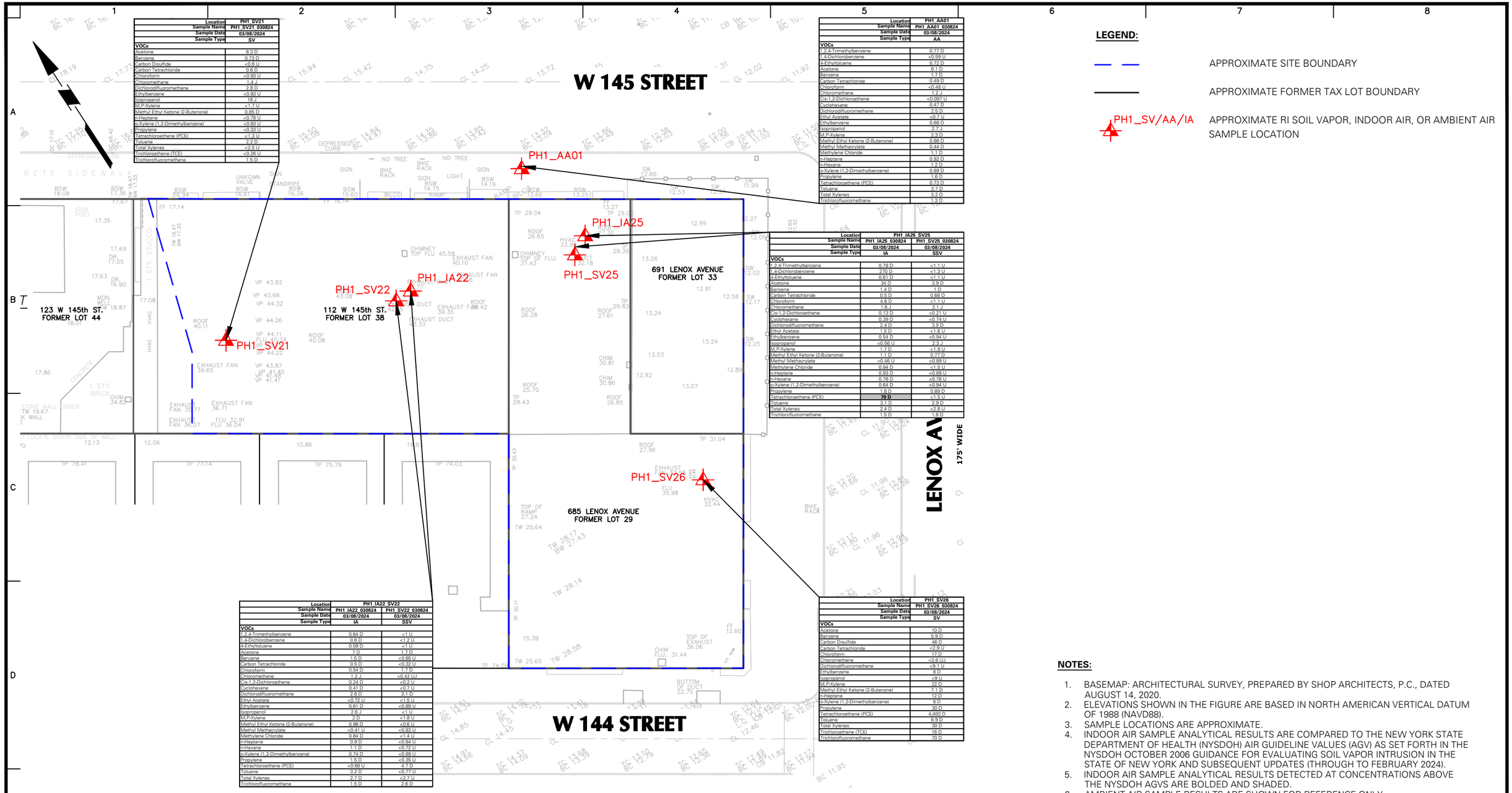
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BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title
GROUNDWATER SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No.	Figure No.
170635401	7
Date: 09/12/2024	
Drawn By: JF	
Checked By: GW	

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Filename: \\langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - RIR\Figure XX - Site Plan.dwg Date: 9/23/2024 Time: 17:06 User: vkanagaratnam Style Table: Langan.stb Layout: Figure 7 - Groundwater Sample Locations And Analytical Results Map



Location	PH1_SV21
Sample Name	PH1_SV21_030824
Sample Date	03/08/2024
Sample Type	SV
VOCs	
Acetone	6.3 D
Benzene	0.73 D
Carbon Disulfide	<0.6 U
Carbon Tetrachloride	0.6 D
Chloroform	<0.93 U
Chloromethane	1.4 J
Dichlorodifluoromethane	2.8 D
Ethylbenzene	<0.83 U
Isopropanol	19 J
M,P-Xylene	<1.7 U
Methyl Ethyl Ketone (2-Butanone)	0.86 D
n-Heptane	<0.78 U
o-Xylene (1,2-Dimethylbenzene)	<0.83 U
Propylene	<0.33 U
Tetrachloroethene (PCE)	<1.3 U
Toluene	2.2 D
Total Xylenes	<2.5 U
Trichloroethene (TCE)	<0.26 U
Trichlorofluoromethane	1.5 D

Location	PH1_AA01
Sample Name	PH1_AA01_030824
Sample Date	03/08/2024
Sample Type	AA
VOCs	
1,2,4-Trimethylbenzene	0.77 D
1,4-Dichlorobenzene	<0.59 U
4-Ethyltoluene	0.72 D
Acetone	6.1 D
Benzene	1.7 D
Carbon Tetrachloride	0.49 D
Chloroform	<0.48 U
Chloromethane	1.2 J
Cis-1,2-Dichloroethene	<0.097 U
Cyclohexane	0.47 D
Dichlorodifluoromethane	2.5 D
Ethyl Acetate	<0.7 U
Ethylbenzene	0.68 D
Isopropanol	2.7 J
M,P-Xylene	2.3 D
Methyl Ethyl Ketone (2-Butanone)	0.86 D
Methyl Methacrylate	0.44 D
Methylene Chloride	1.1 D
n-Heptane	0.92 D
n-Hexane	1.2 D
o-Xylene (1,2-Dimethylbenzene)	0.89 D
Propylene	1.6 D
Tetrachloroethene (PCE)	0.73 D
Toluene	3.7 D
Total Xylenes	3.2 D
Trichlorofluoromethane	1.3 D

Location	PH1_IA25_SV25	
Sample Name	PH1_IA25_030824	PH1_SV25_030824
Sample Date	03/08/2024	03/08/2024
Sample Type	IA	SSV
VOCs		
1,2,4-Trimethylbenzene	0.78 D	<1.1 U
1,4-Dichlorobenzene	270 D	<1.3 U
4-Ethyltoluene	0.61 D	<1.1 U
Acetone	34 D	3.9 D
Benzene	1.4 D	1 D
Carbon Tetrachloride	0.5 D	0.68 D
Chloroform	4.6 D	<1.1 U
Chloromethane	1.6 J	2.1 J
Cis-1,2-Dichloroethene	0.13 D	<0.21 U
Cyclohexane	0.39 D	<0.74 U
Dichlorodifluoromethane	2.4 D	3.5 D
Ethyl Acetate	1.5 D	<1.6 U
Ethylbenzene	0.54 D	<0.94 U
Isopropanol	<0.56 U	2.3 J
M,P-Xylene	1.7 D	<1.9 U
Methyl Ethyl Ketone (2-Butanone)	1.1 D	0.77 D
Methyl Methacrylate	<0.46 U	<0.89 U
Methylene Chloride	0.94 D	<1.5 U
n-Heptane	0.93 D	<0.89 U
n-Hexane	0.76 D	<0.76 U
o-Xylene (1,2-Dimethylbenzene)	0.64 D	<0.94 U
Propylene	1.8 D	0.89 D
Tetrachloroethene (PCE)	**79 D**	<1.5 U
Toluene	3.1 D	2.9 D
Total Xylenes	2.4 D	<2.8 U
Trichlorofluoromethane	1.5 D	1.8 D

Location	PH1_IA22_SV22	
Sample Name	PH1_IA22_030824	PH1_SV22_030824
Sample Date	03/08/2024	03/08/2024
Sample Type	IA	SSV
VOCs		
1,2,4-Trimethylbenzene	0.64 D	<1 U
1,4-Dichlorobenzene	0.6 D	<1.2 U
4-Ethyltoluene	0.59 D	<1 U
Acetone	7 D	1.7 D
Benzene	1.5 D	<0.65 U
Carbon Tetrachloride	0.5 D	<0.32 U
Chloroform	0.54 D	1.7 D
Chloromethane	1.2 J	<0.42 UJ
Cis-1,2-Dichloroethene	0.24 D	<0.2 U
Cyclohexane	0.41 D	<0.7 U
Dichlorodifluoromethane	2.6 D	3.1 D
Ethyl Acetate	<0.72 U	<1.5 U
Ethylbenzene	0.61 D	<0.89 U
Isopropanol	2.6 J	<1 U
M,P-Xylene	2 D	<1.8 U
Methyl Ethyl Ketone (2-Butanone)	0.98 D	<0.6 U
Methyl Methacrylate	<0.41 U	<0.83 U
Methylene Chloride	0.84 D	<1.4 U
n-Heptane	0.9 D	<0.84 U
n-Hexane	1.1 D	<0.72 U
o-Xylene (1,2-Dimethylbenzene)	0.74 D	<0.89 U
Propylene	1.5 D	<0.35 U
Tetrachloroethene (PCE)	<0.68 U	4.7 D
Toluene	3.2 D	<0.77 U
Total Xylenes	2.7 D	<2.7 U
Trichlorofluoromethane	1.5 D	2.6 D

Location	PH1_SV26
Sample Name	PH1_SV26_030824
Sample Date	03/08/2024
Sample Type	SV
VOCs	
Acetone	10 D
Benzene	5.9 D
Carbon Disulfide	46 D
Carbon Tetrachloride	<2.9 U
Chloroform	17 D
Chloromethane	<3.8 UJ
Dichlorodifluoromethane	<9.1 U
Ethylbenzene	8 D
Isopropanol	<9 U
M,P-Xylene	22 D
Methyl Ethyl Ketone (2-Butanone)	7.1 D
n-Heptane	12 D
o-Xylene (1,2-Dimethylbenzene)	8 D
Propylene	30 D
Tetrachloroethene (PCE)	4,400 D
Toluene	6.9 D
Total Xylenes	30 D
Trichloroethene (TCE)	16 D
Trichlorofluoromethane	70 D

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SV/AA/IA — APPROXIMATE RI SOIL VAPOR, INDOOR AIR, OR AMBIENT AIR SAMPLE LOCATION

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. INDOOR AIR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDELINE VALUES (AGV) AS SET FORTH IN THE NYSDOH OCTOBER 2006 GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK AND SUBSEQUENT UPDATES (THROUGH TO FEBRUARY 2024).
5. INDOOR AIR SAMPLE ANALYTICAL RESULTS DETECTED AT CONCENTRATIONS ABOVE THE NYSDOH AGVS ARE BOLDED AND SHADED.
6. AMBIENT AIR SAMPLE RESULTS ARE SHOWN FOR REFERENCE ONLY.
7. NS = NO STANDARD
8. µg/m³ = MICROGRAM PER CUBIC METER
9. U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE REPORTING LIMIT OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONCENTRATIONS.

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.

40 0 10 25 40

SCALE: 1 INCH = 40 FEET

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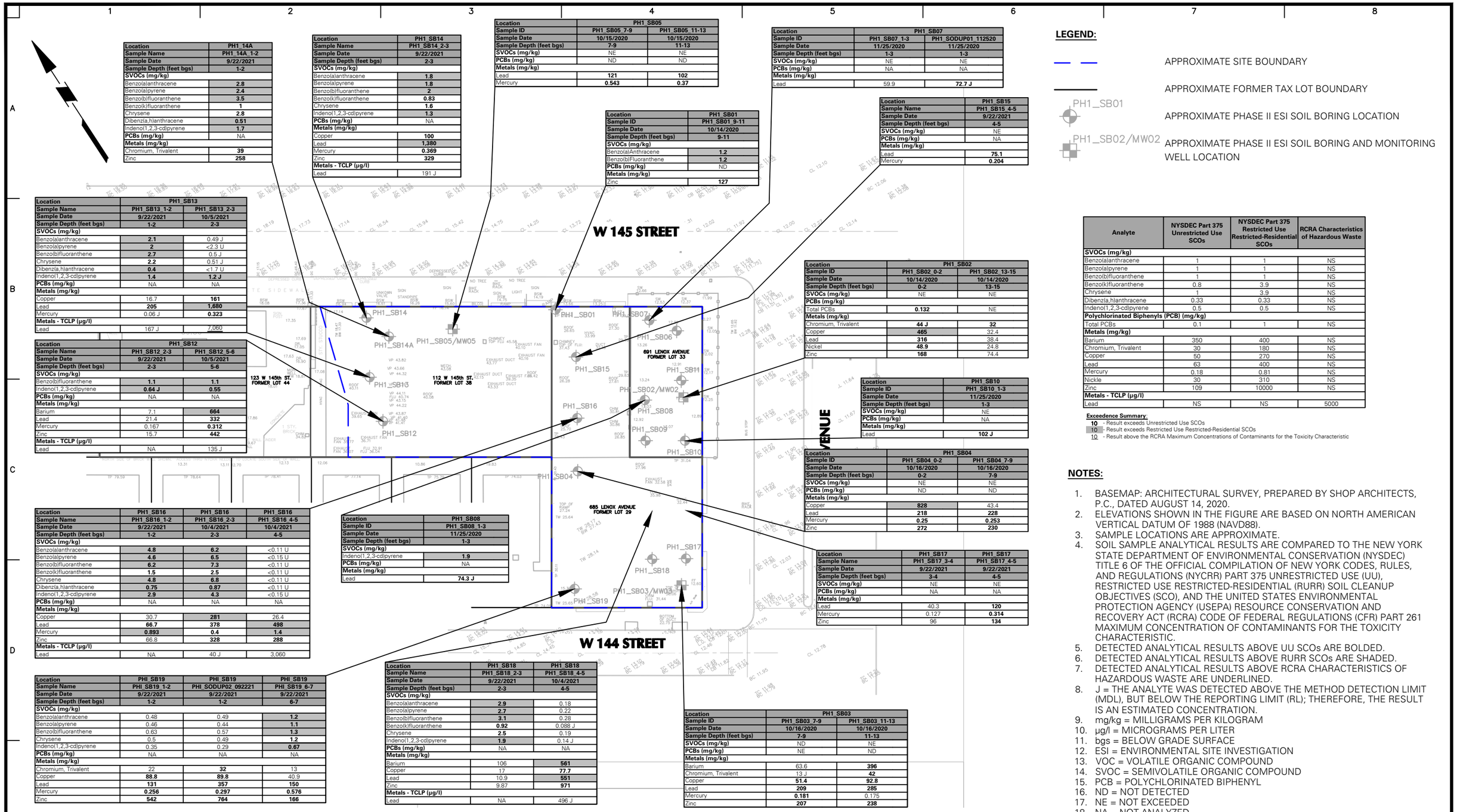
Project
691 LENOX AVENUE - PHASE 1
BLOCK No. 2013, p/o LOT No. 29
(FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title
SOIL VAPOR SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No.	Figure No.
170635401	8
Date: 09/12/2024	
Drawn By: JF	
Checked By: GW	

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Location	PH1_14A
Sample Name	PH1_14A_1-2
Sample Date	9/22/2021
Sample Depth (feet bgs)	1-2
SVOCs (mg/kg)	
Benzo(a)anthracene	**2.8**
Benzo(a)pyrene	**2.4**
Benzo(b)fluoranthene	**3.5**
Benzo(k)fluoranthene	**1**
Chrysene	**2.8**
Dibenz(a,h)anthracene	**0.51**
Indeno(1,2,3-cd)pyrene	**1.7**
PCBs (mg/kg)	NA
Metals (mg/kg)	
Chromium, Trivalent	**39**
Zinc	**258**

Location	PH1_SB14	
Sample Name	PH1_SB14_2-3	
Sample Date	9/22/2021	
Sample Depth (feet bgs)	2-3	
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.8**	
Benzo(a)pyrene	**1.8**	
Benzo(b)fluoranthene	**2**	
Benzo(k)fluoranthene	**0.83**	
Chrysene	**1.6**	
Indeno(1,2,3-cd)pyrene	**1.3**	
PCBs (mg/kg)	NA	
Metals (mg/kg)		
Copper	**100**	
Lead	**1,380**	
Mercury	**0.369**	
Zinc	**329**	
Metals - TCLP (µg/l)		
Lead	191 J	

Location	PH1_SB05	
Sample ID	PH1_SB05 7-9	PH1_SB05 11-13
Sample Date	10/15/2020	10/15/2020
Sample Depth (feet bgs)	7-9	11-13
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	ND	ND
Metals (mg/kg)		
Lead	**121**	**102**
Mercury	**0.543**	**0.37**

Location	PH1_SB01
Sample ID	PH1_SB01 9-11
Sample Date	10/14/2020
Sample Depth (feet bgs)	9-11
SVOCs (mg/kg)	
Benzo(a)Anthracene	**1.2**
Benzo(b)Fluoranthene	**1.2**
PCBs (mg/kg)	ND
Metals (mg/kg)	
Zinc	**127**

Location	PH1_SB07	
Sample ID	PH1_SB07_1-3	PH1_SODUP01_112520
Sample Date	11/25/2020	11/25/2020
Sample Depth (feet bgs)	1-3	1-3
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	NA	NA
Metals (mg/kg)		
Lead	59.9	**72.7 J**

Location	PH1_SB15
Sample Name	PH1_SB15_4-5
Sample Date	9/22/2021
Sample Depth (feet bgs)	4-5
SVOCs (mg/kg)	NE
PCBs (mg/kg)	NA
Metals (mg/kg)	
Lead	**75.1**
Mercury	**0.204**

Location	PH1_SB13	
Sample Name	PH1_SB13_1-2	PH1_SB13_2-3
Sample Date	9/22/2021	10/5/2021
Sample Depth (feet bgs)	1-2	2-3
SVOCs (mg/kg)		
Benzo(a)anthracene	**2.1**	0.49 J
Benzo(a)pyrene	**2**	<2.3 U
Benzo(b)fluoranthene	**2.7**	0.5 J
Chrysene	**2.2**	0.51 J
Dibenz(a,h)anthracene	**0.4**	<1.7 U
Indeno(1,2,3-cd)pyrene	**1.4**	**1.2 J**
PCBs (mg/kg)	NA	NA
Metals (mg/kg)		
Copper	16.7	**161**
Lead	**205**	**1,680**
Mercury	0.06 J	**0.323**
Metals - TCLP (µg/l)		
Lead	167 J	7,060

Location	PH1_SB12	
Sample Name	PH1_SB12_2-3	PH1_SB12_5-6
Sample Date	9/22/2021	10/5/2021
Sample Depth (feet bgs)	2-3	5-6
SVOCs (mg/kg)		
Benzo(b)fluoranthene	**1.1**	**1.1**
Indeno(1,2,3-cd)pyrene	**0.64 J**	**0.55**
PCBs (mg/kg)	NA	NA
Metals (mg/kg)		
Barium	7.1	**664**
Lead	21.4	**332**
Mercury	0.167	**0.312**
Zinc	15.7	**442**
Metals - TCLP (µg/l)		
Lead	NA	135 J

Location	PH1_SB02	
Sample ID	PH1_SB02_0-2	PH1_SB02_13-15
Sample Date	10/14/2020	10/14/2020
Sample Depth (feet bgs)	0-2	13-15
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)		
Total PCBs	**0.132**	NE
Metals (mg/kg)		
Chromium, Trivalent	**44 J**	**32**
Copper	**465**	32.4
Lead	**316**	38.4
Nickel	**48.9**	24.8
Zinc	**168**	74.4

Location	PH1_SB10
Sample ID	PH1_SB10_1-3
Sample Date	11/25/2020
Sample Depth (feet bgs)	1-3
SVOCs (mg/kg)	NE
PCBs (mg/kg)	NA
Metals (mg/kg)	
Lead	**102 J**

Location	PH1_SB04	
Sample ID	PH1_SB04_0-2	PH1_SB04_7-9
Sample Date	10/16/2020	10/16/2020
Sample Depth (feet bgs)	0-2	7-9
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	ND	ND
Metals (mg/kg)		
Copper	**828**	43.4
Lead	**218**	**228**
Mercury	**0.25**	**0.253**
Zinc	**272**	**230**

Location	PH1_SB17	PH1_SB17
Sample Name	PH1_SB17_3-4	PH1_SB17_4-5
Sample Date	9/22/2021	9/22/2021
Sample Depth (feet bgs)	3-4	4-5
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	NA	NA
Metals (mg/kg)		
Lead	40.3	**120**
Mercury	0.127	**0.314**
Zinc	96	**134**

Location	PH1_SB16	PH1_SB16	PH1_SB16
Sample Name	PH1_SB16_1-2	PH1_SB16_2-3	PH1_SB16_4-5
Sample Date	9/22/2021	10/4/2021	10/4/2021
Sample Depth (feet bgs)	1-2	2-3	4-5
SVOCs (mg/kg)			
Benzo(a)anthracene	**4.8**	**6.2**	<0.11 U
Benzo(a)pyrene	**4.6**	**6.5**	<0.15 U
Benzo(b)fluoranthene	**6.2**	**7.3**	<0.11 U
Benzo(k)fluoranthene	**1.5**	**2.5**	<0.11 U
Chrysene	**4.8**	**6.8**	<0.11 U
Dibenz(a,h)anthracene	**0.75**	**0.87**	<0.11 U
Indeno(1,2,3-cd)pyrene	**2.9**	**4.3**	<0.15 U
PCBs (mg/kg)	NA	NA	NA
Metals (mg/kg)			
Copper	30.7	**281**	26.4
Lead	**66.7**	**378**	**498**
Mercury	**0.893**	**0.4**	**1.4**
Zinc	66.8	**328**	**288**
Metals - TCLP (µg/l)			
Lead	NA	40 J	3,060

Location	PH1_SB08
Sample ID	PH1_SB08_1-3
Sample Date	11/25/2020
Sample Depth (feet bgs)	1-3
SVOCs (mg/kg)	
Indeno(1,2,3-cd)pyrene	**1.9**
PCBs (mg/kg)	NA
Metals (mg/kg)	
Lead	**74.3 J**

Location	PHI_SB19	PHI_SB19	PHI_SB19
Sample Name	PHI_SB19_1-2	PHI_SODUP02_092221	PHI_SB19_6-7
Sample Date	9/22/2021	9/22/2021	9/22/2021
Sample Depth (feet bgs)	1-2	1-2	6-7
SVOCs (mg/kg)			
Benzo(a)anthracene	0.48	0.49	**1.2**
Benzo(a)pyrene	0.46	0.44	**1.1**
Benzo(b)fluoranthene	0.63	0.57	**1.3**
Chrysene	0.5	0.49	**1.2**
Indeno(1,2,3-cd)pyrene	0.35	0.29	**0.67**
PCBs (mg/kg)	NA	NA	NA
Metals (mg/kg)			
Chromium, Trivalent	22	**32**	13
Copper	**88.8**	**89.8**	40.9
Lead	**131**	**357**	**150**
Mercury	**0.256**	**0.297**	**0.576**
Zinc	**542**	**764**	**166**

Location	PH1_SB18	PH1_SB18
Sample Name	PH1_SB18_2-3	PH1_SB18_4-5
Sample Date	9/22/2021	10/4/2021
Sample Depth (feet bgs)	2-3	4-5
SVOCs (mg/kg)		
Benzo(a)anthracene	**2.9**	0.18
Benzo(a)pyrene	**2.7**	0.22
Benzo(b)fluoranthene	**3.1**	0.28
Benzo(k)fluoranthene	**0.92**	0.088 J
Chrysene	**2.5**	0.19
Indeno(1,2,3-cd)pyrene	**1.9**	0.14 J
PCBs (mg/kg)	NA	NA
Metals (mg/kg)		
Barium	106	**561**
Copper	17	**77.7**
Lead	10.9	**551**
Zinc	9.87	**971**
Metals - TCLP (µg/l)		
Lead	NA	496 J

Location	PH1_SB03	
Sample ID	PH1_SB03_7-9	PH1_SB03_11-13
Sample Date	10/16/2020	10/16/2020
Sample Depth (feet bgs)	7-9	11-13
SVOCs (mg/kg)	ND	NE
PCBs (mg/kg)	NE	ND
Metals (mg/kg)		
Barium	63.6	**396**
Chromium, Trivalent	13 J	**42**
Copper	**51.4**	**92.8**
Lead	**209**	**285**
Mercury	**0.181**	0.175
Zinc	**207**	**238**

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB01 — APPROXIMATE PHASE II ESI SOIL BORING LOCATION
- PH1_SB02/MW02 — APPROXIMATE PHASE II ESI SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	RCRA Characteristics of Hazardous Waste
SVOCs (mg/kg)			
Benzo(a)anthracene	1	1	NS
Benzo(a)pyrene	1	1	NS
Benzo(b)fluoranthene	1	1	NS
Benzo(k)fluoranthene	0.8	3.9	NS
Chrysene	1	3.9	NS
Dibenz(a,h)anthracene	0.33	0.33	NS
Indeno(1,2,3-cd)pyrene	0.5	0.5	NS
Polychlorinated Biphenyls (PCB) (mg/kg)			
Total PCBs	0.1	1	NS
Metals (mg/kg)			
Barium	350	400	NS
Chromium, Trivalent	30	180	NS
Copper	50	270	NS
Lead	63	400	NS
Mercury	0.18	0.81	NS
Nickle	30	310	NS
Zinc	109	10000	NS
Metals - TCLP (µg/l)			
Lead	NS	NS	5000

Exceedence Summary:
10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs
10 - Result above the RCRA Maximum Concentrations of Contaminants for the Toxicity Characteristic

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. 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 (UU), RESTRICTED USE RESTRICTED-RESIDENTIAL (RURR) SOIL CLEANUP OBJECTIVES (SCO), AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CODE OF FEDERAL REGULATIONS (CFR) PART 261 MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC.
5. DETECTED ANALYTICAL RESULTS ABOVE UU SCOs ARE BOLDED.
6. DETECTED ANALYTICAL RESULTS ABOVE RURR SCOs ARE SHADED.
7. DETECTED ANALYTICAL RESULTS ABOVE RCRA CHARACTERISTICS OF HAZARDOUS WASTE ARE UNDERLINED.
8. J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.
9. mg/kg = MILLIGRAMS PER KILOGRAM
10. µg/l = MICROGRAMS PER LITER
11. bgs = BELOW GRADE SURFACE
12. ESI = ENVIRONMENTAL SITE INVESTIGATION
13. VOC = VOLATILE ORGANIC COMPOUND
14. SVOC = SEMIVOLATILE ORGANIC COMPOUND
15. PCB = POLYCHLORINATED BIPHENYL
16. ND = NOT DETECTED
17. NE = NOT EXCEEDED
18. NA = NOT ANALYZED

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.

60 0 20 40 60
SCALE IN FEET

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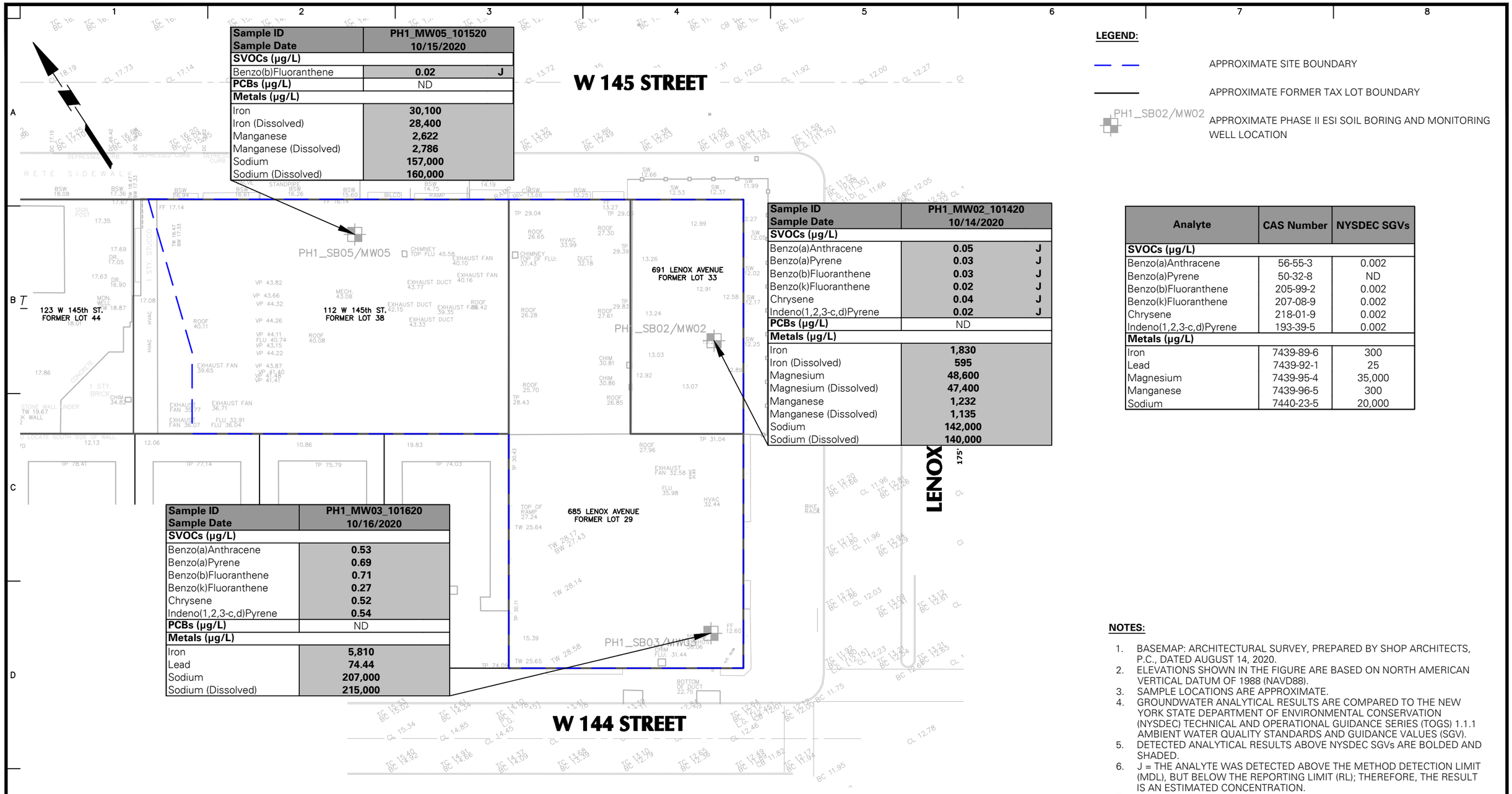
Project
691 LENOX AVENUE - PHASE 1
BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title
PREVIOUS SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No.	Figure No.
170635401	9A
Date: 09/12/2024	
Drawn By: JF	
Checked By: GW	

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Sample ID	PH1_MW05_101520	
Sample Date	10/15/2020	
SVOCs (µg/L)		
Benzo(b)Fluoranthene	**0.02**	**J**
PCBs (µg/L)	ND	
Metals (µg/L)		
Iron	**30,100**	
Iron (Dissolved)	**28,400**	
Manganese	**2,622**	
Manganese (Dissolved)	**2,786**	
Sodium	**157,000**	
Sodium (Dissolved)	**160,000**	

Sample ID	PH1_MW02_101420	
Sample Date	10/14/2020	
SVOCs (µg/L)		
Benzo(a)Anthracene	**0.05**	**J**
Benzo(a)Pyrene	**0.03**	**J**
Benzo(b)Fluoranthene	**0.03**	**J**
Benzo(k)Fluoranthene	**0.02**	**J**
Chrysene	**0.04**	**J**
Indeno(1,2,3-c,d)Pyrene	**0.02**	**J**
PCBs (µg/L)	ND	
Metals (µg/L)		
Iron	**1,830**	
Iron (Dissolved)	**595**	
Magnesium	**48,600**	
Magnesium (Dissolved)	**47,400**	
Manganese	**1,232**	
Manganese (Dissolved)	**1,135**	
Sodium	**142,000**	
Sodium (Dissolved)	**140,000**	

Sample ID	PH1_MW03_101620	
Sample Date	10/16/2020	
SVOCs (µg/L)		
Benzo(a)Anthracene	**0.53**	
Benzo(a)Pyrene	**0.69**	
Benzo(b)Fluoranthene	**0.71**	
Benzo(k)Fluoranthene	**0.27**	
Chrysene	**0.52**	
Indeno(1,2,3-c,d)Pyrene	**0.54**	
PCBs (µg/L)	ND	
Metals (µg/L)		
Iron	**5,810**	
Lead	**74.44**	
Sodium	**207,000**	
Sodium (Dissolved)	**215,000**	

LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB02/MW02 — APPROXIMATE PHASE II ESI SOIL BORING AND MONITORING WELL LOCATION

Analyte	CAS Number	NYSDEC SGVs
SVOCs (µg/L)		
Benzo(a)Anthracene	56-55-3	0.002
Benzo(a)Pyrene	50-32-8	ND
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-c,d)Pyrene	193-39-5	0.002
Metals (µg/L)		
Iron	7439-89-6	300
Lead	7439-92-1	25
Magnesium	7439-95-4	35,000
Manganese	7439-96-5	300
Sodium	7440-23-5	20,000

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. GROUNDWATER ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGV).
5. DETECTED ANALYTICAL RESULTS ABOVE NYSDEC SGVs ARE BOLDED AND SHADED.
6. J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.
7. µg/L = MICROGRAMS PER LITER
8. ESI = ENVIRONMENTAL SITE INVESTIGATION
9. SVOC = SEMIVOLATILE ORGANIC COMPOUND
10. PCB = POLYCHLORINATED BIPHENYL
11. ND = NOT DETECTED

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SCALE: 1 INCH = 40 FEET

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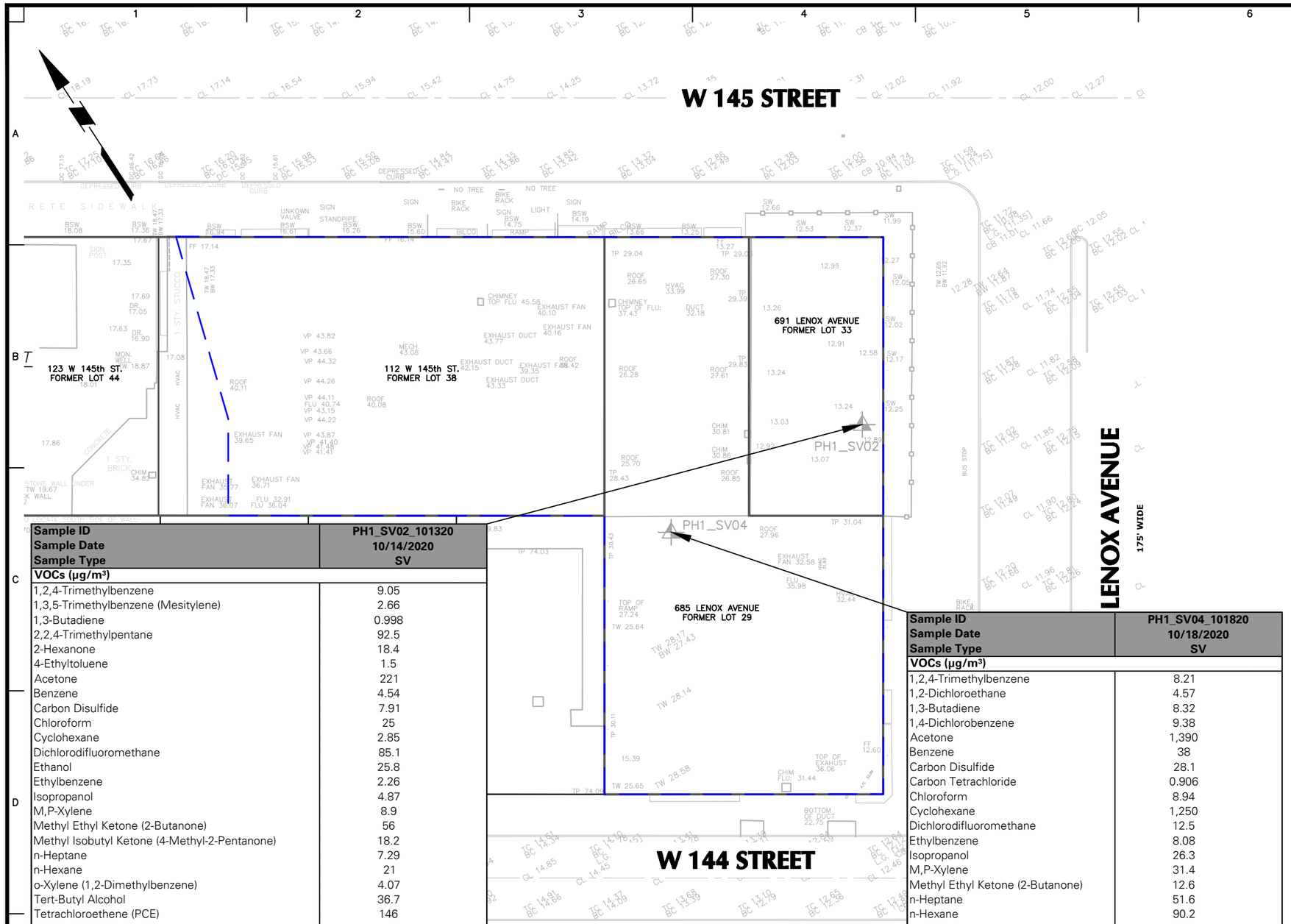
Project: 691 LENOX AVENUE - PHASE 1
BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38)
MANHATTAN NEW YORK

Figure Title: PREVIOUS GROUNDWATER SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No.	Figure No.
170635401	9B
Date: 09/12/2024	
Drawn By: JF	
Checked By: GW	

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LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SV02 — APPROXIMATE PHASE II ESI SOIL VAPOR POINT LOCATION

Sample ID	PH1_SV02_101320
Sample Date	10/14/2020
Sample Type	SV
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	9.05
1,3,5-Trimethylbenzene (Mesitylene)	2.66
1,3-Butadiene	0.998
2,2,4-Trimethylpentane	92.5
2-Hexanone	18.4
4-Ethyltoluene	1.5
Acetone	221
Benzene	4.54
Carbon Disulfide	7.91
Chloroform	25
Cyclohexane	2.85
Dichlorodifluoromethane	85.1
Ethanol	25.8
Ethylbenzene	2.26
Isopropanol	4.87
M,P-Xylene	8.9
Methyl Ethyl Ketone (2-Butanone)	56
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	18.2
n-Heptane	7.29
n-Hexane	21
o-Xylene (1,2-Dimethylbenzene)	4.07
Tert-Butyl Alcohol	36.7
Tetrachloroethene (PCE)	146
Tetrahydrofuran	6.67
Toluene	9.8
Total Xylenes	12.9
Trichloroethene (TCE)	4
Trichlorofluoromethane	1,390

Sample ID	PH1_SV04_101820
Sample Date	10/18/2020
Sample Type	SV
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	8.21
1,2-Dichloroethane	4.57
1,3-Butadiene	8.32
1,4-Dichlorobenzene	9.38
Acetone	1,390
Benzene	38
Carbon Disulfide	28.1
Carbon Tetrachloride	0.906
Chloroform	8.94
Cyclohexane	1,250
Dichlorodifluoromethane	12.5
Ethylbenzene	8.08
Isopropanol	26.3
M,P-Xylene	31.4
Methyl Ethyl Ketone (2-Butanone)	12.6
n-Heptane	51.6
n-Hexane	90.2
o-Xylene (1,2-Dimethylbenzene)	9.69
Tetrachloroethene (PCE)	290
Toluene	93.1
Total Xylenes	41.1
Trichloroethene (TCE)	2.21

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. ESI = ENVIRONMENTAL SITE INVESTIGATION
5. NS = NO STANDARD
6. $\mu g/m^3$ = MICROGRAMS PER CUBIC METER
7. VOC = VOLATILE ORGANIC COMPOUND
8. SV = SOIL VAPOR

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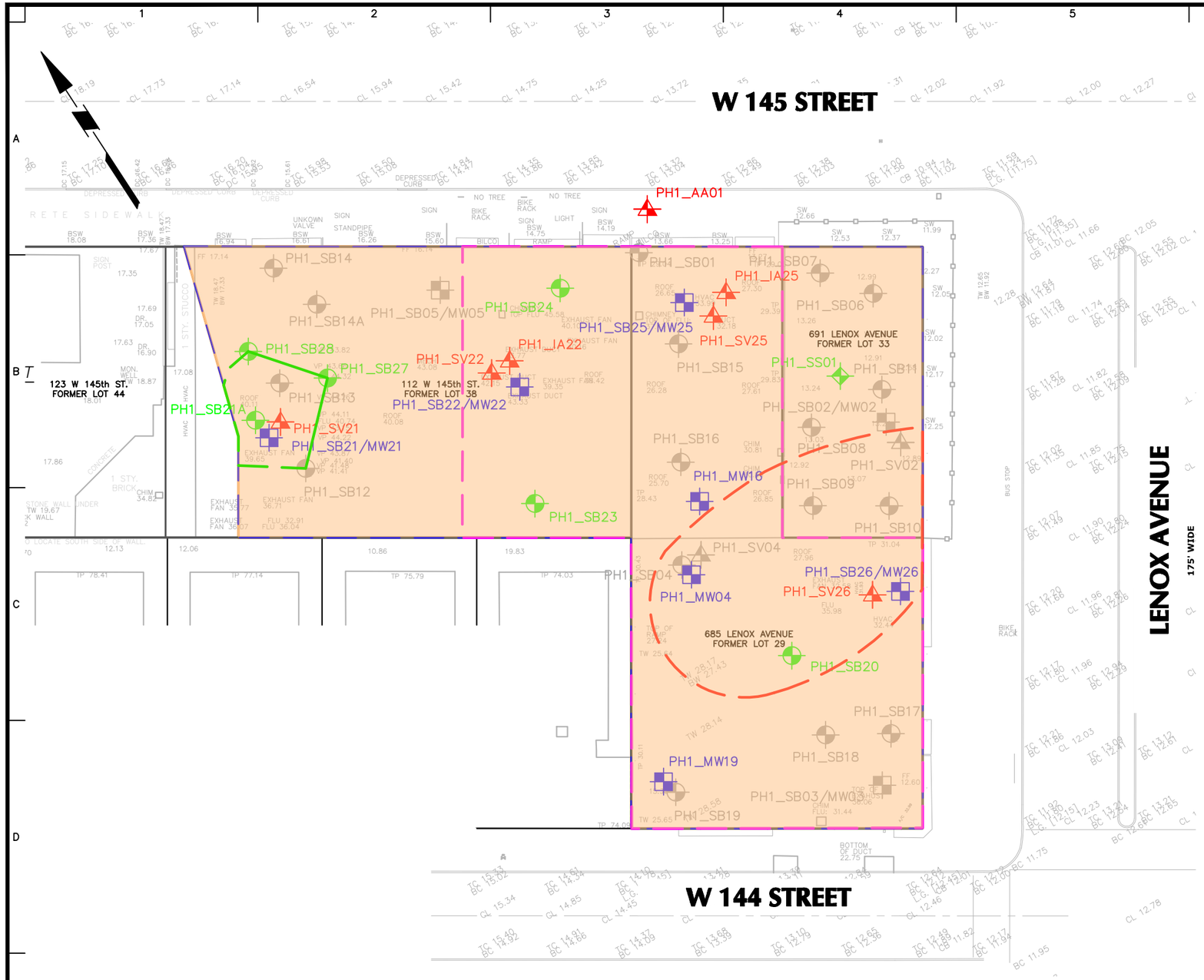
Figure Title: PREVIOUS SOIL VAPOR SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP

Project No. 170635401
Date 09/12/2024
Drawn By JF
Checked By GW

Figure No. 9C

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LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE FORMER TAX LOT BOUNDARY
- PH1_SB01 — APPROXIMATE PHASE II ESI SOIL BORING LOCATION
- PH1_SB02/MW02 — APPROXIMATE PHASE II ESI SOIL BORING AND MONITORING WELL LOCATION
- PH1_SV02 — APPROXIMATE PHASE II ESI SOIL VAPOR POINT LOCATION
- PH1_SB20 — APPROXIMATE RI SOIL BORING LOCATION
- PH1_SS01 — APPROXIMATE RI SURFACE SOIL SAMPLE LOCATION
- PH1_MW19 — APPROXIMATE RI MONITORING WELL LOCATION
- PH1_SB21/MW21 — APPROXIMATE RI SOIL BORING AND MONITORING WELL LOCATION
- PH1_SV21 — APPROXIMATE RI SOIL VAPOR AND SUB-SLAB SOIL POINT LOCATION
- AOC 1: NON-NATIVE FILL
- AOC 2: HISTORICAL ON AND OFF-SITE USE
- APPROXIMATE HAZARDOUS LEAD-IMPACTED SOIL/FILL EXTENTS (NOT DELINEATED) - ASSOCIATED WITH AOC-1
- APPROXIMATE EXTENT OF TETRACHLOROETHYLENE (PCE) IMPACTS TO SOIL AND/OR SOIL VAPOR - ASSOCIATED WITH AOC-2

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE.
4. AOC = AREA OF CONCERN
5. ESI ENVIRONMENTAL SITE INVESTIGATION
6. RI = REMEDIAL INVESTIGATION

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Project	691 LENOX AVENUE - PHASE 1 BLOCK No. 2013, p/o LOT No. 29 (FORMER LOT Nos. 29, 33, & p/o LOT 38) MANHATTAN NEW YORK
Figure Title	AOC LOCATION PLAN
Project No.	170635401
Date	09/12/2024
Drawn By	JF
Checked By	GW
Figure No.	10

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TABLES

Table 1
Remedial Investigation Report
Sample Summary

691 Lenox Avenue - Phase 1
New York, NY
Langan Project No. 170635401

No.	Sample Location	Type	Sample ID	Date Sampled	Rationale	Depth	Analysis
SOIL							
1	PH1_SS01	Grab	PH1_SS01	3/21/2023	Investigate AOC 1	Surface Non-Native Fill (0 to 2 inches)	TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals (including hexavalent and trivalent chromium), Cyanide, PFAS, and 1,4-Dioxane
2	PH1_SB20	Grab	PH1_SB20_3-4	3/20/2023	Investigate AOC 1 & 2	Non-Native Fill	
3			PH1_SB20_10-12	3/20/2023		Interval exhibiting greatest degree of contamination or groundwater interface (if no impacts are observed)	
4			PH1_SB20_16-18	3/20/2023		Clean interval below impacts or native soil (if no impacts are observed)	
5	PH1_SB21	Grab	PH1_SB21_6-8	3/16/2023	Investigate AOC 1 & 2	Non-Native Fill	
6			PH1_SB21_16-18	3/16/2023		Groundwater and Fill/Native Soil Interface	
7	PH1_SB22	Grab	PH1_SB22_6-8	3/15/2023	Investigate AOC 1 & 2	Non-Native Fill	
8			PH1_SB22_14-16	3/15/2023		Groundwater and Fill/Native Soil Interface	
9	PH1_SB23	Grab	PH1_SB23_0-2	3/16/2023	IInvestigate AOC 1 & 2	Non-Native Fill	
10			PH1_SB23_4-6	3/16/2023		Interval exhibiting greatest degree of contamination or groundwater interface (if no impacts are observed)	
11			PH1_SB23_14-16	3/16/2023		Clean interval below impacts or native soil (if no impacts are observed)	
12	PH1_SB24	Grab	PH1_SB24_2-4	3/8/2024	Investigate AOC 1 & 2	Non-Native Fill	
13			PH1_SB24_8.5-10.5	3/8/2024		Interval exhibiting greatest degree of contamination or groundwater interface (if no impacts are observed)	
14			PH1_SB24_6-8	3/8/2024		Clean interval below impacts or native soil (if no impacts are observed)	
15	PH1_SB25	Grab	PH1_SB25_2-4	4/2/2023	Investigate AOC 1 & 2	Non-Native Fill (2-4 feet below sidewalk grade to investigate SVOCs observed in PH1_SB01)	
16			PH1_SB25_10-12	4/2/2023		Interval exhibiting greatest degree of contamination or groundwater interface (if no impacts are observed)	
17			PH1_SB25_14-16	4/2/2023		Non-Native Fill (14-16 feet below sidewalk grade to investigate SVOCs observed in PH1_SB01)	
18	PH1_SB26	Grab	PH1_SB26_2-4	3/7/2024	Investigate AOC 1 & 2	Non-Native Fill	
19			PH1_SB26_4-6	3/7/2024		Clean interval below impacts or groundwater interface (if no impacts are observed)	
20			PH1_SB26_8-10	3/7/2024		Clean interval below impacts or native soil (if no impacts are observed)	
SOIL - HAZARDOUS LEAD DELINEATION							
1	PH1_SB21A	Grab	PH1_SB21A_1-2	3/17/2023	Investigate AOC 1 & 2	Non-Native Fill (to investigate hazardous lead observed in PH1_SB13)	Total and TCLP Lead
2		Grab	PH1_SB21A_2-3	3/17/2023			
3		Grab	PH1_SB21A_3-4	3/17/2023			
4		Grab	PH1_SB21A_4-5	3/17/2023			
5	PH1_SB27	Grab	PH1_SB27_1-2	3/14/2023	Investigate AOC 1 & 2	Non-Native Fill (to investigate hazardous lead observed in PH1_SB13)	Total and TCLP Lead
6		Grab	PH1_SB27_2-3	3/14/2023			
7		Grab	PH1_SB27_3-4	3/14/2023			
8		Grab	PH1_SB27_4-5	3/14/2023			
9	PH1_SB28	Grab	PH1_SB28_1-2	3/17/2023	Investigate AOC 1 & 2	Non-Native Fill (to investigate hazardous lead observed in PH1_SB13)	Total and TCLP Lead
10		Grab	PH1_SB28_2-3	3/17/2023			
11		Grab	PH1_SB28_3-4	3/17/2023			
12		Grab	PH1_SB28_4-5	3/17/2023			
SOIL QA/QC							
1	PH1_SB21A_4-5	Duplicate	PH1_SODUP03_031723	3/17/2023	QA/QC	PH1_SB21A_4-5	Total and TCLP Lead
2	PH1_SB23_0-2	Duplicate	PH1_SODUP02_031623	3/16/2023		PH1_SB23_0-2	TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals (including hexavalent and trivalent chromium), Cyanide, PFAS, and 1,4-Dioxane
3	PH1_SS01	MS/MSD	PH1_SS01_032123	3/21/2023		0-6 inches	
4	NA	Field Blank	PH1_FB01_031523	3/15/2023		N/A	PFAS
5	NA	Field Blank	PH1_FB02_031623	3/16/2023		N/A	TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals (including hexavalent and trivalent chromium), Cyanide, PFAS, and 1,4-Dioxane
6	NA	Field Blank	PH1_FB03_032023	3/20/2023		N/A	PFAS
7	NA	Field Blank	PH1_FB04_032123	3/21/2023		N/A	PFAS
8	NA	Field Blank	PH1_FB05_040223	4/2/2023		N/A	PFAS
9	NA	Trip Blank	PH1_SOTB02_031623	3/16/2023		N/A	TCL VOCs
GROUNDWATER							
1	PH1_MW21	NA	PH1_MW21_050523	5/5/2023	Investigate AOC 1 & 2	Middle of Observed Water Column	TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, total and dissolved TAL Metals (including hexavalent and trivalent chromium), Cyanide, PFAS, and 1,4-Dioxane
2	PH1_MW22	NA	PH1_MW22_050523	5/5/2023			
3	PH1_MW25	NA	PH1_MW25_050423	5/4/2023			
4	PH1_MW26	NA	PH1_MW26_031524	3/15/2024			
5	PH1_MW04	NA	PH1_MW04_050423	5/4/2023			
6	PH1_MW16	NA	PH1_MW16_050423	5/4/2023			
7	PH1_MW19	NA	PH1_MW19_050323	5/3/2023			
GROUNDWATER QA/QC							
1	PH1_MW19_050323	NA	PH1_GWDUP01_050323	5/3/2023	QA/QC	Duplicate	TCL VOCs, TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals (including hexavalent and trivalent chromium), Cyanide, PFAS, and 1,4-Dioxane
2	PH1_MW22_050523	NA	PH1_MW22_050523	5/5/2023		MS/MSD	
3	NA	NA	PH1_GWFB03_050523	5/3/2023		Field Blank	
4	NA	NA	PH1_GWFB01_050323	5/3/2023		Field Blank	PFAS
5	NA	NA	PH1_GWFB02_050423	5/4/2023		Field Blank	PFAS
6	NA	NA	PH1_GWFB04_031524	3/15/2024		Field Blank	PFAS
7	NA	NA	PH1_GWTB01_050323	5/3/2023		Trip Blank	TCL VOCs
8	NA	NA	PH1_GWTB02_050423	5/4/2023		Trip Blank	TCL VOCs
9	NA	NA	PH1_GWTB03_050523	5/5/2023		Trip Blank	TCL VOCs
10	NA	NA	PH1_GWTB04_031524	3/15/2024		Trip Blank	TCL VOCs

Table 1
Remedial Investigation Report
Sample Summary

691 Lenox Avenue - Phase 1
New York, NY
Langan Project No. 170635401

SOIL VAPOR							
1	PH1_SV21	NA	PH1_SV21_030824	3/8/2024	Investigate AOC 2	10-15 feet bsg or to about 2 feet above the groundwater table, whichever is shallower	TO-15 VOCs
2	PH1_SV22	NA	PH1_SV22_030824	3/8/2024			
3	PH1_SV25	NA	PH1_SV25_030824	3/8/2024			
4	PH1_SV26	NA	PH1_SV26_030824	3/8/2024			
INDOOR AIR/AMBIENT AIR							
1	PH1_IA22	NA	PH1_IA22_030824	3/8/2024	Investigate AOC 2	Co-located Indoor Air Sample	TO-15 VOCs
2	PH1_IA25	NA	PH1_IA25_030824	3/8/2024		Co-located Indoor Air Sample	
3	PH1_AA01	NA	PH1_AA01_030824	3/8/2024	QA/QC	Ambient Air	

Notes:
1. Area of Concern (AOC) 1 = Non-Native Fill
2. AOC 2 = Historical On- and Off-Site Use
3. VOC = Volatile organic compounds
4. SVOC = Semivolatile organic compounds
5. PCB = Polychlorinated biphenyls
6. TCL = Target Compound List
7. TAL = Target Analyte List
8. PFAS = per- and poly-fluoroalkyl substances
9. QA/QC = Quality assurance/quality control
10. N/A = Not applicable
11. MS/MSD = matrix spike/matrix spike duplicate
12. bsg = below sidewalk grade

Table 2
Remedial Investigation Report
Groundwater Elevation Summary

691 Lenox Avenue - Phase 1
New York, New York
Langan Project No.: 170635401

Date Gauged	Well Location	Well Diameter (in.)	Screened Interval (feet bTOC)	Approximate Elevation of TOC (NAVD88)	Depth to Groundwater (feet bTOC)	Groundwater Elevation (NAVD88)	Bottom of Well Depth (ft bTOC)	Bottom of Well Elevation (NAVD88)
Not Gauged	PH1_MW04	1	8-18	12.54	8.55	3.99	18	--
7/20/2023	PH1_MW16	2	8-18	12.48	8.43	4.05	18	-5.52
7/20/2023	PH1_MW19	2	8-18	14.05	11.93	2.12	18	-3.95
7/20/2023	PH1_MW21	2	14-24	16.56	12.45	4.11	24	-7.44
7/20/2023	PH1_MW22	2	13-23	14.96	10.15	4.81	23	-8.04
7/20/2023	PH1_MW25	2	9-19	12.99	6.10	6.89	19	-6.01
7/20/2023	PH1_MW26	2	9-19	12.54	11.25	1.29	19	-6.46

Notes:
1. NAVD88 - North American Vertical Datum of 1988
2. bTOC = below top of casing
3. Grade surface elevations are referenced to the North American Vertical Datum of 1988, and were surveyed by Langan on 2/10/2022.
4. Depth to groundwater was measured in feet below the top of well casing.
5. - = Screened interval unknown, monitoring well was installed by others

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB20	PH1_SB20	PH1_SB20	PH1_SB21	PH1_SB21	PH1_SB22	PH1_SB22	PH1_SB23	PH1_SB23	PH1_SB23	PH1_SB23
					Sample Name	PH1_SB20_3-4	PH1_SB20_10-12	PH1_SB20_16-18	PH1_SB21_6-8	PH1_SB21_16-18	PH1_SB22_6-8	PH1_SB22_14-16	PH1_SB23_0-2	PH1_SODUP01_031623	PH1_SB23_4-6	PH1_SB23_14-16
					Sample Date	03/20/2023	03/20/2023	03/20/2023	03/16/2023	03/16/2023	03/15/2023	03/15/2023	03/16/2023	03/16/2023	03/16/2023	03/16/2023
					Sample Depth	3-4	10-12	16-18	6-8	16-18	6-8	14-16	0-2	0-2	4-6	14-16
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	0.00034 J	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	52	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0038 U	<0.0035 U	<0.0038 U	<0.004 U	<0.0033 U	<0.0063 U	<0.0048 U	<0.003 U	<0.004 U	<0.0058 U	<0.0035 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	8.4	52	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.1 U	<0.094 U	<0.1 U	<0.11 U	<0.088 U	<0.17 U	<0.13 U	<0.08 U	<0.11 U	<0.16 U	<0.093 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.012 UJ	<0.012 UJ	<0.012 UJ	<0.013 U	<0.011 U	<0.021 U	<0.016 U	<0.01 U	<0.013 U	<0.019 U	<0.012 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	0.008 J	0.03	0.026	<0.013 U	0.022	0.012 J	**0.061**	<0.01 U	0.0064 J	0.0094 J	0.023
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.005 U	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	<0.0084 U	<0.0064 U	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	0.00069 J	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.005 U	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	<0.0084 U	<0.0064 U	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.012 U	<0.012 U	0.016 J	<0.013 U	<0.011 U	<0.021 U	0.0077 J	<0.01 U	<0.013 U	<0.019 U	<0.012 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	0.00038 J	<0.0018 U	<0.0019 U	<0.002 U	<0.0016 U	<0.0032 U	<0.0024 U	<0.0015 U	<0.002 U	<0.0029 U	<0.0017 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.005 U	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	<0.0084 U	<0.0064 U	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
Cis-1,2-Dichloroethene	156-59-2	0.25	0.25	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.012 U	<0.012 U	<0.012 U	<0.013 U	<0.011 U	<0.021 U	<0.016 U	<0.01 U	<0.013 U	<0.019 U	<0.012 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Ethylbenzene	100-41-4	1	1	41	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	0.00091 J	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.005 U	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	<0.0084 U	<0.0064 U	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.012 U	<0.012 U	<0.012 U	<0.013 U	<0.011 U	<0.021 U	0.012 J	<0.01 U	<0.013 U	<0.019 U	<0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.012 UJ	<0.012 UJ	<0.012 UJ	<0.013 U	<0.011 U	<0.021 U	<0.016 U	<0.01 U	<0.013 U	<0.019 U	<0.012 U
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0063 U	<0.0059 U	<0.0063 U	<0.0067 U	<0.0055 U	<0.01 U	<0.008 U	<0.005 U	<0.0066 U	<0.0097 U	<0.0058 U
Naphthalene	91-20-3	12	12	100	mg/kg	0.099 J	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	0.0049 J	0.026	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
n-Butylbenzene	104-51-8	12	12	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
n-Propylbenzene	103-65-1	3.9	3.9	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	0.00019 J	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Sec-Butylbenzene	135-98-8	11	11	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0025 U	<0.0024 U	<0.0025 U	<0.0027 U	<0.0022 U	<0.0042 U	<0.0032 U	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0025 U	<0.0024 U	0.013	<0.0027 U	<0.0022 U	<0.0042 U	0.052	<0.002 U	<0.0026 U	<0.0039 U	<0.0023 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	**3.3**	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.0013 U	<0.0011 U	<0.0021 U	0.0011 J	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Total Xylenes	1330-20-7	0.26	1.6	100	mg/kg	<0.0012 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00063 U	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Trans-1,2-Dichloroethene	156-60-5	0.19	0.19	100	mg/kg	<0.0019 U	<0.0018 U	<0.0019 U	<0.002 U	<0.0016 U	<0.0032 U	<0.0024 U	<0.0015 U	<0.002 U	<0.0029 U	<0.0017 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0063 U	<0.0059 U	<0.0063 U	<0.0067 U	<0.0055 U	<0.01 U	<0.008 U	<0.005 U	<0.0066 U	<0.0097 U	<0.0058 U
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	**0.5**	<0.00059 U	<0.00063 U	<0.00067 U	<0.00055 U	<0.001 U	<0.0008 U	<0.0005 U	<0.00066 U	<0.00097 U	<0.00058 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.005 U	<0.0047 U	<0.005 U	<0.0054 U	<0.0044 U	<0.0084 U	<0.0064 U	<0.004 U	<0.0053 U	<0.0078 U	<0.0046 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.012 UJ	<0.012 UJ	<0.012 UJ	<0.013 U	<0.011 U	<0.021 U	<0.016 U	<0.01 U	<0.013 U	<0.019 U	<0.012 U
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.0013 U	<0.0011 U	<0.0021 U	<0.0016 U	<0.001 U	<0.0013 U	<0.0019 U	<0.0012 U

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB20	PH1_SB20	PH1_SB20	PH1_SB21	PH1_SB21	PH1_SB22	PH1_SB22	PH1_SB23	PH1_SB23	PH1_SB23	PH1_SB23
					Sample Name	PH1_SB20_3-4	PH1_SB20_10-12	PH1_SB20_16-18	PH1_SB21_6-8	PH1_SB21_16-18	PH1_SB22_6-8	PH1_SB22_14-16	PH1_SB23_0-2	PH1_SODUP01_031623	PH1_SB23_4-6	PH1_SB23_14-16
					Sample Date	03/20/2023	03/20/2023	03/20/2023	03/16/2023	03/16/2023	03/15/2023	03/15/2023	03/16/2023	03/16/2023	03/16/2023	03/16/2023
					Sample Depth	3-4	10-12	16-18	6-8	16-18	6-8	14-16	0-2	0-2	4-6	14-16
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.027 U	<0.03 U	<0.03 U	<0.027 UJ	<0.032 UJ	<0.027 U	<0.029 U	<0.027 UJ	<0.027 UJ	<0.029 UJ	<0.029 UJ
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.11 U	<0.12 U	<0.12 U	<0.11 U	<0.13 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.16 U	<0.18 U	<0.18 U	<0.16 U	<0.19 U	<0.16 U	<0.17 U	<0.16 U	<0.16 U	<0.17 U	<0.18 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.86 U	<0.96 U	<0.95 U	<0.86 U	<1 U	<0.85 U	<0.93 U	<0.86 U	<0.87 U	<0.92 U	<0.94 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.097 J	<0.24 U	<0.24 U	1.5	<0.25 U	<0.21 U	<0.23 U	<0.22 U	<0.22 U	<0.23 U	<0.24 U
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.38 U	<0.43 U	<0.43 U	<0.39 U	<0.45 U	<0.38 U	<0.42 U	<0.39 U	<0.39 U	<0.41 U	<0.42 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.26 U	<0.29 U	<0.28 U	0.062 J	<0.3 U	<0.26 U	<0.28 U	<0.26 U	<0.26 U	0.03 J	<0.28 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.46 U	<0.52 U	<0.52 U	<0.46 U	<0.55 U	<0.46 U	<0.5 U	<0.47 U	<0.47 U	<0.5 U	<0.51 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 UJ	<0.21 UJ	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 UJ	<0.2 UJ
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.25 U	<0.28 U	<0.28 U	<0.25 U	<0.29 U	<0.25 U	<0.27 U	<0.25 U	<0.25 U	<0.27 U	<0.27 U
Acenaphthene	83-32-9	20	98	100	mg/kg	0.48	<0.16 U	<0.16 U	3	<0.17 U	0.024 J	<0.15 U	<0.14 U	<0.14 U	0.48	<0.16 U
Acenaphthylene	208-96-8	100	107	100	mg/kg	0.03 J	<0.16 U	<0.16 U	<0.14 U	<0.17 U	0.047 J	<0.15 U	0.18	<0.028 U	0.58	<0.16 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Anthracene	120-12-7	100	1000	100	mg/kg	1.1	<0.12 U	<0.12 U	4.6	<0.13 U	0.095 J	<0.12 U	0.29	0.11	1.8	0.13
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	**2.2**	<0.12 U	<0.12 U	**5.2**	0.16	0.43	<0.12 U	**1.1 J**	0.5 J	**6.7**	0.16
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	**2.3**	<0.16 U	<0.16 U	**4.9**	0.15 J	0.5	<0.15 U	**1.2 J**	0.5 J	**6.8**	0.14 J
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	**2.8**	<0.12 U	<0.12 U	**5.5**	0.17	0.58	<0.12 U	**1.6 J**	0.62 J	**6.5**	0.17
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	1.4	<0.16 U	<0.16 U	2.8	0.085 J	0.31	<0.15 U	0.79 J	0.36 J	3.9	0.077 J
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	0.62	<0.12 U	<0.12 U	**1.5**	0.049 J	0.15	<0.12 U	0.38	0.2	**1.9**	0.053 J
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.58 U	<0.65 U	<0.64 U	<0.58 U	<0.68 U	<0.57 U	<0.62 U	<0.58 U	<0.59 U	<0.62 U	<0.63 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	0.079 J	<0.19 U	0.52	0.39	<0.19 U	0.053 J
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	0.034 J	<0.46 U	<0.45 U	0.42	<0.48 U	<0.4 U	<0.44 U	<0.41 U	<0.41 U	0.047 J	<0.45 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.19 U	<0.22 U	<0.21 U	<0.19 U	<0.23 U	<0.19 U	<0.21 U	<0.19 U	<0.2 U	<0.21 U	<0.21 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.16 U	<0.18 U	<0.18 U	<0.16 U	<0.19 U	<0.16 U	<0.17 U	<0.16 U	<0.16 U	<0.17 U	<0.18 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.21 U	<0.24 U	<0.24 U	<0.21 U	<0.25 U	<0.21 U	<0.23 U	<0.22 UJ	<0.22 UJ	<0.23 U	<0.24 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	0.13 J	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	0.069 J	<0.19 U	<0.2 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.39	<0.2 U	<0.2 U	1.6 J	0.036 J	0.031 J	<0.19 U	0.17 J	0.068 J	0.44 J	0.052 J
Chrysene	218-01-9	**1**	1	3.9	mg/kg	**1.9**	<0.12 U	<0.12 U	**4.8**	0.15	0.47	<0.12 U	**1.2 J**	0.5 J	**6.3**	0.15
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	0.24	<0.12 U	<0.12 U	**0.54**	<0.13 U	0.068 J	<0.12 U	0.15	0.075 J	**0.79**	<0.12 U
Dibenzofuran	132-64-9	7	210	59	mg/kg	0.31	<0.2 U	<0.2 U	2	0.045 J	0.022 J	<0.19 U	0.089 J	0.023 J	0.3	0.055 J
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Fluoranthene	206-44-0	100	1000	100	mg/kg	5.5	<0.12 U	<0.12 U	12	0.41	0.8	<0.12 U	2.6 J	1.1 J	7.2	0.4
Fluorene	86-73-7	30	386	100	mg/kg	0.4	<0.2 U	<0.2 U	2.6	<0.21 U	0.027 J	<0.19 U	<0.18 U	<0.18 U	0.44	<0.2 U
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	<0.11 U	<0.12 U	<0.12 U	<0.11 U	<0.13 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.51 U	<0.57 U	<0.57 U	<0.51 U	<0.6 U	<0.51 U	<0.55 U	<0.52 U	<0.52 U	<0.55 U	<0.56 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.14 U	<0.16 U	<0.16 U	<0.14 U	<0.17 U	<0.14 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	**1.5**	<0.16 U	<0.16 U	**3.2**	0.093 J	0.31	<0.15 U	**0.78 J**	0.39 J	**4.4**	0.087 J
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.16 U	<0.18 U	<0.18 U	<0.16 U	<0.19 U	<0.16 U	<0.17 U	<0.16 U	<0.16 U	<0.17 U	<0.18 U
Naphthalene	91-20-3	12	12	100	mg/kg	0.16 J	<0.2 U	<0.2 U	3.7	<0.21 U	0.041 J	<0.19 U	<0.18 U	<0.18 U	0.34	<0.2 U
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.16 U	<0.18 U	<0.18 U	<0.16 U	<0.19 U	<0.16 U	<0.17 U	<0.16 U	<0.16 U	<0.17 U	<0.18 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.14 U	<0.16 U	<0.16 U	<0.14 U	<0.17 U	<0.14 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	<0.14 U	<0.16 U	<0.16 U	<0.14 U	<0.17 U	<0.14 U	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U
Phenanthrene	85-01-8	100	1000	100	mg/kg	3.9	<0.12 U	<0.12 U	16	0.5	0.5	<0.12 U	1.8 J	0.6 J	6	0.5
Phenol	108-95-2	0.33	0.33	100	mg/kg	<0.18 U	<0.2 U	<0.2 U	<0.18 U	<0.21 U	<0.18 U	<0.19 U	<0.18 U	<0.18 U	<0.19 U	<0.2 U
Pyrene	129-00-0	100	1000	100	mg/kg	4.9	<0.12 U	<0.12 U	11	0.33	0.89	<0.12 U	2.2 J	0.96 J	7.1	0.33

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB20	PH1_SB20	PH1_SB20	PH1_SB21	PH1_SB21	PH1_SB22	PH1_SB22	PH1_SB23	PH1_SB23	PH1_SB23	PH1_SB23
					Sample Name	PH1_SB20_3-4	PH1_SB20_10-12	PH1_SB20_16-18	PH1_SB21_6-8	PH1_SB21_16-18	PH1_SB22_6-8	PH1_SB22_14-16	PH1_SB23_0-2	PH1_SODUP01_031623	PH1_SB23_4-6	PH1_SB23_14-16
					Sample Date	03/20/2023	03/20/2023	03/20/2023	03/16/2023	03/16/2023	03/15/2023	03/15/2023	03/16/2023	03/16/2023	03/16/2023	03/16/2023
					Sample Depth	3-4	10-12	16-18	6-8	16-18	6-8	14-16	0-2	0-2	4-6	14-16
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	0.0012 J	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
4,4'-DDE	72-55-9	**0.0033**	17	8.9	mg/kg	**0.00872**	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	**0.0148**	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	<0.00072 U	0.00633	<0.000777 U	<0.000714 U	<0.000851 U	<0.000695 U	<0.000752 U	<0.000688 U	<0.000716 U	<0.000758 U	<0.000791 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	0.0104	<0.00236 U	<0.00233 U	<0.00214 U	<0.00255 U	<0.00209 U	<0.00225 U	<0.00206 U	<0.00215 U	<0.00227 U	<0.00237 U
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	0.0383	<0.0157 U	<0.0155 U	<0.0143 U	<0.017 U	<0.0139 U	<0.015 U	<0.0138 U	<0.0143 U	<0.0152 U	<0.0158 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	0.00402	<0.00118 U	<0.00116 U	<0.00107 U	<0.00128 U	<0.00104 U	<0.00113 U	<0.00103 U	<0.00107 U	<0.00114 U	<0.00119 U
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	<0.00072 U	<0.000787 U	<0.000777 U	<0.000714 U	<0.000851 U	<0.000695 U	<0.000752 U	<0.000688 U	<0.000716 U	<0.000758 U	<0.000791 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	<0.00072 U	<0.000787 U	<0.000777 U	<0.000714 U	<0.000851 U	<0.000695 U	<0.000752 U	<0.000688 U	<0.000716 U	<0.000758 U	<0.000791 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00216 U	<0.00236 U	<0.00233 U	<0.00214 U	<0.00255 U	<0.00209 U	<0.00225 U	<0.00206 U	<0.00215 U	<0.00227 U	<0.00237 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00173 U	<0.00189 U	<0.00186 U	<0.00171 U	<0.00204 U	<0.00167 U	<0.0018 U	<0.00165 U	<0.00172 U	<0.00182 U	<0.0019 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	<0.00072 U	<0.000787 U	<0.000777 U	<0.000714 U	<0.000851 U	<0.000695 U	<0.000752 U	<0.000688 U	<0.000716 U	<0.000758 U	<0.000791 U
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	0.00808	<0.00236 U	<0.00233 U	<0.00214 U	<0.00255 U	<0.00209 U	<0.00225 U	<0.00206 U	<0.00215 U	<0.00227 U	<0.00237 U
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	<0.000864 U	<0.000944 U	<0.000932 U	<0.000857 U	<0.00102 U	<0.000834 U	<0.000902 U	<0.000825 U	<0.000859 U	<0.00091 U	<0.000949 U
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00324 U	<0.00354 U	<0.00349 U	<0.00321 U	<0.00383 U	<0.00313 U	<0.00338 U	<0.0031 U	<0.00322 U	<0.00341 U	<0.00356 U
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00324 U	<0.00354 U	<0.00349 U	<0.00321 U	<0.00383 U	<0.00313 U	<0.00338 U	<0.0031 U	<0.00322 U	<0.00341 U	<0.00356 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.0324 U	<0.0354 U	<0.0349 U	<0.0321 U	<0.0383 U	<0.0313 U	<0.0338 U	<0.031 U	<0.0322 U	<0.0341 U	<0.0356 U
Herbicides																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.182 U	<0.201 U	<0.199 U	<0.176 U	<0.212 U	<0.177 U	<0.195 U	<0.178 U	<0.182 U	<0.189 U	<0.194 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.182 U	<0.201 U	<0.199 U	<0.176 U	<0.212 U	<0.177 U	<0.195 U	<0.178 U	<0.182 U	<0.189 U	<0.194 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	<0.182 U	<0.201 U	<0.199 U	<0.176 U	<0.212 U	<0.177 U	<0.195 U	<0.178 U	<0.182 U	<0.189 U	<0.194 U
Polychlorinated Biphenyl																
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	0.0166 J	0.0102 J	<0.0372 U	<0.0378 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	0.0122 J	0.0109 J	<0.0372 U	<0.0378 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	<0.0356 U	<0.0346 U	<0.0372 U	<0.0378 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	<0.0356 U	<0.0401 U	<0.039 U	<0.0359 U	<0.0423 U	<0.0346 U	<0.0386 U	0.0288 J	0.0211 J	<0.0372 U	<0.0378 U
Metals																
Aluminum	7429-90-5	NS	NS	NS	mg/kg	7,680	7,790	11,800	4,890	5,280	7,130	4,890	5,490	6,590	8,380	9,940
Antimony	7440-36-0	NS	NS	NS	mg/kg	2.07 J	<4.82 U	<4.6 U	2.48 J	0.527 J	1.14 J	0.553 J	1.21 J	2.86 J	2.12 J	1.07 J
Arsenic	7440-38-2	13	16	16	mg/kg	12.1	5.52	5.75	6.11	1.96	4.56	2.59	3.73	2.73	7.25	3.48
Barium	7440-39-3	**350**	820	400	mg/kg	198	39.6	20.8	209	37.7	76.9	21.8	68.8	59.3	95.3	62
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.676	0.434 J	0.791	0.13 J	0.238 J	0.217 J	0.193 J	0.235 J	0.258 J	0.283 J	0.469
Cadmium	7440-43-9	2.5	7.5	4.3	mg/kg	0.365 J	<0.964 U	<0.92 U	0.094 J	<1.03 U	0.203 J	<0.93 U	0.192 J	<0.883 U	<0.912 U	<0.923 U
Calcium	7440-70-2	NS	NS	NS	mg/kg	16,700	4,590	1,580	41,400	458	7,190	1,280	19,700 J	10,800 J	11,600	5,100
Chromium, Hexavalent	18540-29-9	**1**	19	110	mg/kg	0.374 J	<0.988 U	<0.967 U	<0.866 UJ	0.298 J	<0.858 UJ	<0.944 UJ	0.417 J	0.364 J	0.381 J	<0.96 UJ
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	16.6	7.77	22.7	11.4	7.57	11.6	9.49	13.3	12.2	17.2	13.2
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	16.2 J	7.77	22.7	11.4	7.27 J	11.6	9.49	12.9 J	11.8 J	16.8 J	13.2
Cobalt	7440-48-4	NS	NS	NS	mg/kg	5.19	4.62	7.2	4.52	5.64	6.87	2.76	4.22	4.53	7.66	5.26
Copper	7440-50-8	**50**	1720	270	mg/kg	45.7	8.6	15.6	**158**	7.91	35.9	9.26	35.5 J	16.7 J	37.2	19.1
Cyanide	57-12-5	27	40	27	mg/kg	<1.1 U	<1.1 U	<1.1 U	<1 U	<1.2 U	0.31 J	<1.1 UJ	0.28 J	0.26 J	<1.1 U	<1.1 U
Iron	7439-89-6	NS	NS	NS	mg/kg	11,700	10,800	22,000	15,800	11,400	12,800	9,900	9,900	11,000	31,200	12,800
Lead	7439-92-1	**63**	450	400	mg/kg	**556**	59	17.8	**514**	4.15 J	**168**	25.9	**333 J**	**151 J**	**147**	**90.5**
Magnesium	7439-95-4	NS	NS	NS	mg/kg	3,220	1,530	5,300	2,820	1,960	3,970	2,320	3,280	3,040	5,700	2,170
Manganese	7439-96-5	1600	2000	2000	mg/kg	178	421	246	188	129	275	115	220	236	345	311
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	0.174	0.154	<0.096 U	**0.511**	<0.105 U	**0.273**	0.069 J	0.155	0.11	**0.858**	**0.235**
Nickel	7440-02-0	**30**	130	310	mg/kg	15.4	8.44	17.9	12	8.08	14.1	8.55	13.4	11.2	17.4	10.8
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,780	496	2,260	1,790	517	1,910	970	951	996	2,200	517
Selenium	7782-49-2	3.9	4	180	mg/kg	0.312 J	0.268 J	<1.84 U	0.421 J	<2.06 U	<1.65 U	<1.86 U	<1.7 U	<1.77 U	1.34 J	0.299 J
Silver	7440-22-4	2	8.3	180	mg/kg	<0.424 U	<0.482 U	<0.46 U	<0.428 U	<0.516 U	<0.413 U	<0.465 U	<0.425 U	<0.442 U	<0.456 U	<0.462 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	544	<193 U	448	338	99.3 J	234	263	285	231	174 J	168 J
Thallium	7440-28-0	NS	NS	NS	mg/kg	0.329 J	<1.93 U	<1.84 U	<1.71 U	<2.06 U	<1.65 U	<1.86 U	<1.7 U	<1.77 U	<1.82 U	<1.85 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	18.4	14.3	24.9	16.2	9.64	20.3	13.4	17.6	16.6	19.8	19.1
Zinc	7440-66-6	**109**	2480	10000	mg/kg	**236**	26.4	56.6	**207**	21	102	22.8	68.6	48.8	**161**	**1,110**
General Chemistry																
Solids, Percent	SOLID	NS	NS	NS	Percent	90.8	81	82.7	92.4	77.2	93.2	84.7	91.1	90.6	86.7	83.3

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB20	PH1_SB20	PH1_SB20	PH1_SB21	PH1_SB21	PH1_SB22	PH1_SB22	PH1_SB23	PH1_SB23	PH1_SB23	PH1_SB23
					Sample Name	PH1_SB20_3-4	PH1_SB20_10-12	PH1_SB20_16-18	PH1_SB21_6-8	PH1_SB21_16-18	PH1_SB22_6-8	PH1_SB22_14-16	PH1_SB23_0-2	PH1_SODUP01_031623	PH1_SB23_4-6	PH1_SB23_14-16
					Sample Date	03/20/2023	03/20/2023	03/20/2023	03/16/2023	03/16/2023	03/15/2023	03/15/2023	03/16/2023	03/16/2023	03/16/2023	03/16/2023
					Sample Depth	3-4	10-12	16-18	6-8	16-18	6-8	14-16	0-2	0-2	4-6	14-16
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Per- and Polyfluoroalkyl Substances																
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
1H,1H,2H,2H-Perfluorodecane Sulfonic Acid (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	NS	NS	NS	mg/kg	<0.00497 U	<0.00488 U	<0.0048 U	<0.00491 U	<0.00491 U	<0.00491 U	<0.00495 U	<0.0049 U	<0.00486 U	<0.00491 U	<0.0049 U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	NS	NS	NS	mg/kg	<0.00497 U	<0.00488 U	<0.0048 U	<0.00491 U	<0.00491 U	<0.00491 U	<0.00495 U	<0.0049 U	<0.00486 U	<0.00491 U	<0.0049 U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	NS	NS	NS	mg/kg	<0.000994 U	<0.000977 U	<0.00096 U	<0.000982 U	<0.000981 U	<0.000982 U	<0.00099 U	<0.00098 U	<0.000972 U	<0.000982 U	<0.000979 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	13252-13-6	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
N-ethyl Perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	NS	NS	NS	mg/kg	<0.00199 U	<0.00195 U	<0.00192 U	<0.00196 U	<0.00196 U	<0.00196 U	<0.00198 U	<0.00196 U	<0.00194 U	<0.00196 U	<0.00196 U
N-methyl Perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	NS	NS	NS	mg/kg	<0.00199 U	<0.00195 U	<0.00192 U	<0.00196 U	<0.00196 U	<0.00196 U	<0.00198 U	<0.00196 U	<0.00194 U	<0.00196 U	<0.00196 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000398 U	<0.000391 U	<0.000384 U	<0.000393 U	<0.000392 U	<0.000393 U	<0.000396 U	<0.000392 U	<0.000389 U	<0.000393 U	<0.000392 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000398 U	<0.000391 U	<0.000384 U	<0.000393 U	<0.000392 U	<0.000393 U	<0.000396 U	<0.000392 U	<0.000389 U	<0.000393 U	<0.000392 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000398 U	<0.000391 U	<0.000384 U	<0.000393 U	<0.000392 U	<0.000393 U	<0.000396 U	<0.000392 U	<0.000389 U	<0.000393 U	<0.000392 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000398 U	<0.000391 U	<0.000384 U	<0.000393 U	<0.000392 U	<0.000393 U	<0.000396 U	<0.000392 U	<0.000389 U	<0.000393 U	<0.000392 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000795 U	<0.000781 U	<0.000768 U	<0.000786 U	<0.000785 U	<0.000786 U	<0.000792 U	<0.000784 U	<0.000777 U	<0.000786 U	<0.000783 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorododecanesulfonic Acid (PFDoS)	79780-39-5	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorooctanesulfonamide (PFOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	0.000103 J	0.000094 J	<0.000192 U	0.000212 J	<0.000196 U	0.000102 J	<0.000198 U	0.000094 J	0.000101 J	0.000212	0.000149 J
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	0.000064 J	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	0.000071 J	<0.000194 U	<0.000196 U	<0.000196 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000398 U	<0.000391 U	<0.000384 U	<0.000393 U	<0.000392 U	<0.000393 U	<0.000396 U	<0.000392 U	<0.000389 U	<0.000393 U	<0.000392 U
Perfluoropentansulfonic Acid (PFPeS)	2706-91-4	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorotetradecanoic Acid (PFTeDA)	376-06-7	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000199 U	<0.000195 U	<0.000192 U	<0.000196 U	<0.000196 U	<0.000196 U	<0.000198 U	<0.000196 U	<0.000194 U	<0.000196 U	<0.000196 U

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB24	PH1_SB24	PH1_SB24	PH1_SB25	PH1_SB25	PH1_SB25	PH1_SB26	PH1_SB26	PH1_SB26	PH1_SS01
					Sample Name	PH1_SB24_2-4	PH1_SB24_6-8	PH1_SB24_8.5-10.5	PH1_SB25_2-4	PH1_SB25_10-12	PH1_SB25_14-16	PH1_SB26_2-4	PH1_SB26_4-6	PH1_SB26_8-10	PH1_SS01_0-0
					Sample Date	03/08/2024	03/08/2024	03/08/2024	04/02/2023	04/02/2023	04/02/2023	03/07/2024	03/07/2024	03/07/2024	03/21/2023
					Sample Depth	2-4	6-8	8.5-10.5	2-4	10-12	14-16	2-4	4-6	8-10	–
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
1,1,1-Trichloroethane	71-55-6	0.68	0.68	100	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,1-Dichloroethane	75-34-3	0.27	0.27	26	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,1-Dichloroethene	75-35-4	0.33	0.33	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	0.014 J	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2,4-Trimethylbenzene	95-63-6	3.6	3.6	52	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0052 U	<0.0083 U	<0.0036 U	<0.003 U	<0.0028 UJ	<0.0056 UJ	<0.26 U	<0.32 U	<0.0039 U	<0.0033 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,2-Dichloroethane	107-06-2	0.02	0.02	3.1	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	8.4	52	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	0.00034 J	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.14 U	<0.22 U	<0.097 U	<0.081 U	<0.074 UJ	<0.15 UJ	<7 U	<8.6 U	<0.1 U	<0.088 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	<0.018 UJ	<0.87 U	<1.1 U	<0.013 U	<0.011 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Acetone	67-64-1	**0.05**	0.05	100	mg/kg	**0.068 J**	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	0.029 J	<0.87 U	<1.1 U	<0.013 U	0.023
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.007 U	<0.011 U	<0.0048 U	<0.004 U	<0.0037 UJ	<0.0074 UJ	<0.35 U	<0.43 U	<0.0052 U	<0.0044 U
Benzene	71-43-2	0.06	0.06	4.8	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.007 U	<0.011 U	<0.0048 U	<0.004 U	<0.0037 UJ	<0.0074 UJ	<0.35 U	<0.43 U	<0.0052 U	<0.0044 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0035 UJ	<0.0055 UJ	<0.0024 UJ	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	<0.018 UJ	<0.87 U	<1.1 U	<0.013 U	<0.011 U
Carbon Tetrachloride	56-23-5	0.76	0.76	2.4	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Chlorobenzene	108-90-7	1.1	1.1	100	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Chloroform	67-66-3	0.37	0.37	49	mg/kg	<0.0026 U	<0.0041 U	<0.0018 U	<0.0015 U	<0.0014 UJ	<0.0028 UJ	<0.13 U	<0.16 U	<0.0019 U	<0.0016 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.007 U	<0.011 U	<0.0048 U	<0.004 U	<0.0037 UJ	<0.0074 UJ	<0.35 U	<0.43 U	<0.0052 U	<0.0044 U
Cis-1,2-Dichloroethene	156-59-2	0.25	0.25	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	<0.018 UJ	<0.87 U	<1.1 U	<0.013 U	<0.011 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Ethylbenzene	100-41-4	1	1	41	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	0.00015 J	<0.0018 UJ	0.012 J	<0.11 U	<0.0013 U	<0.0011 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.007 U	<0.011 U	<0.0048 U	<0.004 U	<0.0037 UJ	<0.0074 UJ	<0.35 U	<0.43 U	<0.0052 U	<0.0044 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	0.12	100	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	0.0051 J	<0.87 U	<1.1 U	<0.013 U	<0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	<0.018 UJ	<0.87 U	<1.1 U	<0.013 U	<0.011 U
Methylene Chloride	75-09-2	0.05	0.05	100	mg/kg	<0.0087 U	<0.014 U	<0.006 U	<0.0051 U	<0.0046 UJ	<0.0093 UJ	<0.44 U	<0.54 U	<0.0065 U	<0.0055 U
Naphthalene	91-20-3	12	12	100	mg/kg	<0.007 U	<0.011 U	<0.0048 U	<0.004 U	<0.23 U	<0.53 U	1.3	<0.43 U	0.001 J	<0.0044 U
n-Butylbenzene	104-51-8	12	12	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
n-Propylbenzene	103-65-1	3.9	3.9	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Sec-Butylbenzene	135-98-8	11	11	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
T-Butylbenzene	98-06-6	5.9	5.9	100	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	<0.0037 UJ	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	0.93	100	mg/kg	<0.0035 U	<0.0055 U	<0.0024 U	<0.002 U	<0.0018 UJ	0.098 J	<0.17 U	<0.21 U	<0.0026 U	<0.0022 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	1.3	19	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	0.00029 J	<0.00046 UJ	<0.00093 UJ	**46**	**15**	0.0017	<0.00055 U
Toluene	108-88-3	0.7	0.7	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Total Xylenes	1330-20-7	0.26	1.6	100	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	<0.044 U	<0.054 U	<0.00065 U	<0.00055 U
Trans-1,2-Dichloroethene	156-60-5	0.19	0.19	100	mg/kg	<0.0026 U	<0.0041 U	<0.0018 U	<0.0015 U	<0.0014 UJ	<0.0028 UJ	<0.13 U	<0.16 U	<0.0019 U	<0.0016 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0017 U	<0.0028 U	<0.0012 U	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0087 U	<0.014 U	<0.006 U	<0.0051 UJ	<0.0046 UJ	<0.0093 UJ	<0.44 U	<0.54 U	<0.0065 U	<0.0055 U
Trichloroethene (TCE)	79-01-6	**0.47**	0.47	21	mg/kg	<0.00087 U	<0.0014 U	<0.0006 U	<0.00051 U	<0.00046 UJ	<0.00093 UJ	0.031 J	<0.054 U	0.00026 J	<0.00055 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.007 UJ	<0.011 UJ	<0.0048 UJ	<0.004 U	<0.0037 UJ	<0.0074 UJ	<0.35 UJ	<0.43 UJ	<0.0052 UJ	<0.0044 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.017 U	<0.028 U	<0.012 U	<0.01 U	<0.0092 UJ	<0.018 UJ	<0.87 U	<1.1 U	<0.013 U	<0.011 U
Vinyl Chloride	75-01-4	0.02	0.02	0.9	mg/kg	<0.0017 UJ	<0.0028 UJ	<0.0012 UJ	<0.001 U	<0.00092 UJ	<0.0018 UJ	<0.087 U	<0.11 U	<0.0013 U	<0.0011 U

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB24	PH1_SB24	PH1_SB24	PH1_SB25	PH1_SB25	PH1_SB25	PH1_SB26	PH1_SB26	PH1_SB26	PH1_SS01
					Sample Name	PH1_SB24_2-4	PH1_SB24_6-8	PH1_SB24_8.5-10.5	PH1_SB25_2-4	PH1_SB25_10-12	PH1_SB25_14-16	PH1_SB26_2-4	PH1_SB26_4-6	PH1_SB26_8-10	PH1_SS01_0-0
					Sample Date	03/08/2024	03/08/2024	03/08/2024	04/02/2023	04/02/2023	04/02/2023	03/07/2024	03/07/2024	03/07/2024	03/21/2023
					Sample Depth	2-4	6-8	8.5-10.5	2-4	10-12	14-16	2-4	4-6	8-10	–
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds															
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	0.021 J	<0.19 U	<0.18 U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	100	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
1,3-Dichlorobenzene	541-73-1	2.4	2.4	49	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
1,4-Dichlorobenzene	106-46-7	1.8	1.8	13	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	0.1	13	mg/kg	<0.027 UJ	<0.028 UJ	<0.03 UJ	<0.027 U	<0.029 U	<0.048 U	<0.028 U	<0.028 U	<0.029 U	<0.027 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.11 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.19 U	<0.11 U	<0.11 U	<0.12 U	<0.11 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.16 U	<0.17 U	<0.29 U	<0.17 U	<0.17 U	<0.17 U	<0.16 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.86 U	<0.91 U	<0.95 U	<0.87 U	<0.92 U	<1.5 U	<0.9 U	<0.89 U	<0.92 U	<0.86 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	<0.22 U	<0.23 U	<0.24 U	<0.22 U	<0.23 U	<0.38 U	0.038 J	0.11 J	<0.23 U	0.03 J
2-Methylphenol (o-Cresol)	95-48-7	0.33	0.33	100	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.39 U	<0.41 U	<0.43 U	<0.39 U	<0.41 U	<0.69 U	<0.41 U	<0.4 U	<0.42 U	<0.39 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	0.33	100	mg/kg	<0.26 U	<0.27 U	<0.28 U	<0.26 U	<0.27 U	<0.46 U	<0.27 U	0.032 J	<0.28 U	<0.26 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.18 UJ	<0.19 UJ	<0.2 UJ	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.46 U	<0.49 U	<0.51 U	<0.47 U	<0.5 U	<0.83 U	<0.49 U	<0.48 U	<0.5 U	<0.47 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.25 U	<0.27 U	<0.28 U	<0.25 U	<0.27 U	<0.45 U	<0.26 U	<0.26 U	<0.27 U	<0.25 U
Acenaphthene	83-32-9	20	98	100	mg/kg	<0.14 U	0.025 J	<0.16 U	<0.14 U	<0.15 U	<0.26 U	0.074 J	0.36	<0.15 U	0.041 J
Acenaphthylene	208-96-8	100	107	100	mg/kg	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.15 U	<0.26 U	0.24	0.57	<0.15 U	<0.14 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Anthracene	120-12-7	100	1000	100	mg/kg	<0.11 U	0.096 J	<0.12 U	<0.11 U	<0.11 U	<0.19 U	0.46	1.9	<0.12 U	0.072 J
Benzo(a)anthracene	56-55-3	**1**	1	1	mg/kg	0.17	0.28	0.1 J	0.11	0.037 J	<0.19 U	**1.6**	**4.8**	0.028 J	0.14
Benzo(a)pyrene	50-32-8	**1**	22	1	mg/kg	0.23	0.29	0.11 J	0.12 J	<0.15 U	<0.26 U	**1.5**	**4**	<0.15 U	0.12 J
Benzo(b)fluoranthene	205-99-2	**1**	1.7	1	mg/kg	0.27	0.33	0.13	0.14	0.041 J	<0.19 U	**1.8**	**5.3**	0.036 J	0.14
Benzo(g,h,i)Perylene	191-24-2	100	1000	100	mg/kg	0.15	0.18	0.064 J	0.069 J	0.025 J	<0.26 U	1.2	2.8	0.023 J	0.073 J
Benzo(k)fluoranthene	207-08-9	**0.8**	1.7	3.9	mg/kg	0.076 J	0.11	0.046 J	0.04 J	<0.11 U	<0.19 U	0.7	**1.5**	<0.12 U	0.054 J
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.58 U	<0.62 U	<0.64 U	<0.59 U	<0.62 U	<1 U	<0.61 U	<0.6 U	<0.62 U	<0.58 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	0.22	7.1	<0.19 U	<0.18 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.41 U	<0.43 U	<0.45 U	<0.42 U	<0.44 U	<0.73 U	<0.43 U	0.037 J	<0.44 U	<0.41 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.19 U	<0.2 U	<0.21 U	<0.2 U	<0.21 U	<0.35 U	<0.2 U	<0.2 U	<0.21 U	<0.19 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.16 U	<0.17 U	<0.29 U	<0.17 U	<0.17 U	<0.17 U	<0.16 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.22 UJ	<0.23 UJ	<0.24 UJ	<0.22 U	<0.23 U	<0.38 U	<0.22 U	<0.22 U	<0.23 U	<0.22 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	0.66	0.44	<0.19 U	<0.18 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	<0.18 UJ	0.046 J	<0.2 UJ	<0.18 U	<0.19 U	<0.32 U	0.15 J	0.66	<0.19 U	0.024 J
Chrysene	218-01-9	**1**	1	3.9	mg/kg	0.17	0.27	0.1 J	0.11	0.036 J	<0.19 U	**1.6**	**4.6**	0.026 J	0.13
Dibenz(a,h)anthracene	53-70-3	**0.33**	1000	0.33	mg/kg	0.032 J	0.038 J	<0.12 U	<0.11 U	<0.11 U	<0.19 U	0.28	**0.67**	<0.12 U	<0.11 U
Dibenzofuran	132-64-9	7	210	59	mg/kg	<0.18 U	0.022 J	<0.2 U	<0.18 U	<0.19 U	<0.32 U	0.062 J	0.25	<0.19 U	0.032 J
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Fluoranthene	206-44-0	100	1000	100	mg/kg	0.31	0.6	0.22	0.21	0.072 J	<0.19 U	2.7	10	0.05 J	0.28
Fluorene	86-73-7	30	386	100	mg/kg	<0.18 U	0.031 J	<0.2 U	<0.18 U	<0.19 U	<0.32 U	0.1 J	0.44	<0.19 U	0.054 J
Hexachlorobenzene	118-74-1	0.33	3.2	1.2	mg/kg	<0.11 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U	<0.19 U	<0.11 U	<0.11 U	<0.12 U	<0.11 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.51 U	<0.54 U	<0.56 U	<0.52 U	<0.55 U	<0.92 U	<0.54 U	<0.53 U	<0.55 U	<0.52 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.15 U	<0.26 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	8.2	0.5	mg/kg	0.14	0.16	0.06 J	0.078 J	<0.15 U	<0.26 U	**1.1**	**2.8**	<0.15 U	0.076 J
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.16 U	<0.17 U	<0.29 U	<0.17 U	<0.17 U	<0.17 U	<0.16 U
Naphthalene	91-20-3	12	12	100	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	0.076 J	0.16 J	<0.19 U	0.032 J
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.16 U	<0.17 U	<0.29 U	<0.17 U	<0.17 U	<0.17 U	<0.16 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.15 U	<0.26 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
Pentachlorophenol	87-86-5	0.8	0.8	6.7	mg/kg	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.15 U	<0.26 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
Phenanthrene	85-01-8	100	1000	100	mg/kg	0.16	0.4	0.14	0.12	0.054 J	<0.19 U	1.7	7.2	<0.12 U	0.26
Phenol	108-95-2	0.33	0.33	100	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.18 U	<0.19 U	<0.32 U	<0.19 U	<0.18 U	<0.19 U	<0.18 U
Pyrene	129-00-0	100	1000	100	mg/kg	0.3	0.55	0.2	0.2	0.066 J	<0.19 U	2.4	8.5	0.051 J	0.26

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB24	PH1_SB24	PH1_SB24	PH1_SB25	PH1_SB25	PH1_SB25	PH1_SB26	PH1_SB26	PH1_SB26	PH1_SS01
					Sample Name	PH1_SB24_2-4	PH1_SB24_6-8	PH1_SB24_8.5-10.5	PH1_SB25_2-4	PH1_SB25_10-12	PH1_SB25_14-16	PH1_SB26_2-4	PH1_SB26_4-6	PH1_SB26_8-10	PH1_SS01_0-0
					Sample Date	03/08/2024	03/08/2024	03/08/2024	04/02/2023	04/02/2023	04/02/2023	03/07/2024	03/07/2024	03/07/2024	03/21/2023
					Sample Depth	2-4	6-8	8.5-10.5	2-4	10-12	14-16	2-4	4-6	8-10	–
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides															
4,4'-DDD	72-54-8	0.0033	14	13	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	0.00106 J	<0.00184 U	<0.00172 U
4,4'-DDE	72-55-9	**0.0033**	17	8.9	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	**0.0122**	**0.0535**	<0.00184 U	0.0014 J
4,4'-DDT	50-29-3	**0.0033**	136	7.9	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	**0.0225**	**0.107**	<0.00184 U	**0.00452**
Aldrin	309-00-2	0.005	0.19	0.097	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.02	0.48	mg/kg	<0.000725 U	<0.000756 U	<0.000771 U	<0.000699 U	<0.000736 U	<0.00122 U	<0.000732 U	<0.000711 U	<0.000765 U	<0.000716 U
Alpha Chlordane	5103-71-9	0.094	2.9	4.2	mg/kg	<0.00218 U	<0.00227 U	<0.00231 U	<0.0021 U	<0.00221 U	<0.00366 U	<0.0022 U	<0.00213 U	<0.00229 U	0.041
Alpha Endosulfan	959-98-8	2.4	102	24	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.09	0.36	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Beta Endosulfan	33213-65-9	2.4	102	24	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Chlordane (alpha and gamma)	57-74-9	NS	NS	NS	mg/kg	<0.0145 U	<0.0151 U	<0.0154 U	<0.014 U	<0.0147 U	<0.0244 U	<0.0146 U	<0.0142 U	<0.0153 U	0.253 J
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	0.25	100	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Dieldrin	60-57-1	0.005	0.1	0.2	mg/kg	<0.00109 U	<0.00113 U	<0.00116 U	<0.00105 U	<0.0011 U	<0.00183 U	<0.0011 U	0.00389	<0.00115 U	0.00352
Endosulfan Sulfate	1031-07-8	2.4	1000	24	mg/kg	<0.000725 U	<0.000756 U	<0.000771 U	<0.000699 U	<0.000736 U	<0.00122 U	<0.000732 U	<0.000711 U	<0.000765 U	<0.000716 U
Endrin	72-20-8	0.014	0.06	11	mg/kg	<0.000725 U	<0.000756 U	<0.000771 U	<0.000699 U	<0.000736 U	<0.00122 U	<0.000732 U	<0.000711 U	<0.000765 U	<0.000716 U
Endrin Aldehyde	7421-93-4	NS	NS	NS	mg/kg	<0.00218 U	<0.00227 U	<0.00231 U	<0.0021 U	<0.00221 U	<0.00366 U	<0.0022 U	<0.00213 U	<0.00229 U	<0.00215 U
Endrin Ketone	53494-70-5	NS	NS	NS	mg/kg	<0.00174 U	<0.00182 U	<0.00185 U	<0.00168 U	<0.00176 U	<0.00293 U	<0.00176 U	<0.00171 U	<0.00184 U	<0.00172 U
Gamma Bhc (Lindane)	58-89-9	0.1	0.1	1.3	mg/kg	<0.000725 U	<0.000756 U	<0.000771 U	<0.000699 U	<0.000736 U	<0.00122 U	<0.000732 U	<0.000711 U	<0.000765 U	<0.000716 U
Gamma Chlordane (Trans)	5103-74-2	NS	NS	NS	mg/kg	<0.00218 U	<0.00227 U	<0.00231 U	<0.0021 U	<0.00221 U	<0.00366 U	<0.0022 U	0.012	<0.00229 U	0.0342
Heptachlor	76-44-8	0.042	0.38	2.1	mg/kg	<0.00087 U	<0.000908 U	<0.000926 U	<0.000838 U	<0.000883 U	<0.00146 U	<0.000878 U	<0.000853 U	<0.000918 U	0.00603
Heptachlor Epoxide	1024-57-3	NS	NS	NS	mg/kg	<0.00326 U	<0.0034 U	<0.00347 U	<0.00314 U	<0.00331 U	<0.00549 U	<0.00329 U	<0.0032 U	<0.00344 U	0.00435
Methoxychlor	72-43-5	NS	NS	NS	mg/kg	<0.00326 U	<0.0034 U	<0.00347 U	<0.00314 U	<0.00331 U	<0.00549 U	<0.00329 U	<0.0032 U	<0.00344 U	<0.00322 U
Toxaphene	8001-35-2	NS	NS	NS	mg/kg	<0.0326 U	<0.034 U	<0.0347 U	<0.0314 U	<0.0331 U	<0.0549 U	<0.0329 U	<0.032 U	<0.0344 U	<0.0322 U
Herbicides															
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	NS	mg/kg	<0.182 U	<0.192 U	<0.197 U	<0.178 U	<0.187 U	<0.311 U	<0.187 U	<0.182 U	<0.193 U	<0.183 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	NS	mg/kg	<0.182 U	<0.192 U	<0.197 U	<0.178 U	<0.187 U	<0.311 U	<0.187 U	<0.182 U	<0.193 U	<0.183 U
Silvex (2,4,5-Tp)	93-72-1	3.8	3.8	100	mg/kg	<0.182 U	<0.192 U	<0.197 U	<0.178 U	<0.187 U	<0.311 U	<0.187 U	<0.182 U	<0.193 U	<0.183 U
Polychlorinated Biphenyl															
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	0.0163 J	0.0343 J	0.0221 J	<0.035 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	0.00841 J	0.0319 J	<0.0546 U	<0.035 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	NS	NS	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	<0.052 U	<0.0533 U	<0.0546 U	<0.035 U
Total PCBs	1336-36-3	0.1	3.2	1	mg/kg	<0.053 U	<0.0562 U	<0.0557 U	<0.036 U	<0.0363 U	<0.0612 U	0.0247 J	0.0662 J	0.0221 J	<0.035 U
Metals															
Aluminum	7429-90-5	NS	NS	NS	mg/kg	10,400	8,130	11,200	7,150	8,570	7,940	7,870	9,590	16,400	8,610
Antimony	7440-36-0	NS	NS	NS	mg/kg	<10.6 U	<11.6 U	1.21 J	<4.35 U	<4.34 U	<7.33 U	<11.3 U	<10.8 U	<11.3 U	1 J
Arsenic	7440-38-2	13	16	16	mg/kg	3.21	6.64	3.92	3.27	3.24	3.94	6.12	5.59	7.79	2.64
Barium	7440-39-3	**350**	820	400	mg/kg	60.7	221	70.8	147	65	9.26	187	247	**510**	60.1
Beryllium	7440-41-7	7.2	47	72	mg/kg	0.415 J	0.37 J	0.486 J	0.296 J	0.325 J	0.354 J	0.344 J	0.347 J	0.432 J	0.5
Cadmium	7440-43-9	2.5	7.5	4.3	mg/kg	0.389 J	0.776 J	0.497 J	0.092 J	<0.869 U	<1.47 U	0.622 J	0.686 J	0.316 J	0.197 J
Calcium	7440-70-2	NS	NS	NS	mg/kg	7,720	6,760	3,140	14,400	4,170	485	8,990	15,200	5,080	16,300
Chromium, Hexavalent	18540-29-9	**1**	19	110	mg/kg	0.274 J	<0.932 U	<0.955 U	<0.879 U	<0.92 U	<1.54 U	**4.87 J**	0.336 J	<0.928 UJ	0.662 J
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	22	15.6	19.3	13.3	18.8	17	28.9	37.3	76.8	19.8
Chromium, Trivalent	16065-83-1	**30**	NS	180	mg/kg	21.7 J	15.6	19.3	13.3	18.8	17	24	**37 J**	**76.8**	19.1 J
Cobalt	7440-48-4	NS	NS	NS	mg/kg	6.81	8.2	7.84	6.17	7.14	4.86	6.08	7	18.1	6.71
Copper	7440-50-8	**50**	1720	270	mg/kg	16.6	23.6	24.1	15.9	26.5	7.35	49	**56**	**72.9**	23 J
Cyanide	57-12-5	27	40	27	mg/kg	<1.1 U	<1.1 U	<1.2 U	<1 UJ	<1.1 UJ	<1.8 UJ	<1.1 U	<1 U	<1.1 U	<1 U
Iron	7439-89-6	NS	NS	NS	mg/kg	17,800	20,200	17,400	12,700	14,100	13,300	16,200	20,200	51,700	14,100
Lead	7439-92-1	**63**	450	400	mg/kg	**129**	**543**	**101**	**103**	42.1	5.43 J	**494**	**322**	**98.2**	39.6
Magnesium	7439-95-4	NS	NS	NS	mg/kg	3,040	2,930	3,690	3,520	3,480	2,680	2,930	4,200	8,170	5,680
Manganese	7439-96-5	1600	2000	2000	mg/kg	248	246	393	160	217	80.3	288	323	1,000	215
Mercury	7439-97-6	**0.18**	0.73	0.81	mg/kg	0.139	**0.183**	**0.249**	**0.193 J**	**0.194 J**	<0.121 U	**0.792**	**0.46**	**1.09**	0.054 J
Nickel	7440-02-0	**30**	130	310	mg/kg	13.7	16.9	16.2	13.8	15.4	12.3	18.8	24.3	**45.2**	14.7
Potassium	7440-09-7	NS	NS	NS	mg/kg	1,150	1,230	1,300	1,260	1,320	711	1,320	2,750	6,640	1,620 J
Selenium	7782-49-2	3.9	4	180	mg/kg	<4.25 U	<4.62 U	<4.68 U	<1.74 U	<1.74 U	<2.93 U	<4.52 U	<4.3 U	<4.52 U	<1.72 U
Silver	7440-22-4	2	8.3	180	mg/kg	<1.06 U	<1.16 U	<1.17 U	<0.435 U	<0.434 U	<0.733 U	<1.13 U	<1.08 U	0.908 J	<0.429 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	172 J	161 J	235 J	171 J	188	122 J	269 J	259 J	271 J	196
Thallium	7440-28-0	NS	NS	NS	mg/kg	<4.25 U	<4.62 U	<4.68 U	<1.74 U	<1.74 U	<2.93 U	<4.52 U	<4.3 U	<4.52 U	0.334 J
Vanadium	7440-62-2	NS	NS	NS	mg/kg	22.4	23.9	23.1	16	21.8	13.5	21.7	34.2	65.6	23.9
Zinc	7440-66-6	**109**	2480	10000	mg/kg	51.3	**258**	76	103	55.1	24.2	**311**	**344**	**184**	58.8
General Chemistry															
Solids, Percent	SOLID	NS	NS	NS	Percent	91.3	85.8	83.8	91	86.9	51.9	87.6	89.3	86.2	90.6

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	PH1_SB24	PH1_SB24	PH1_SB24	PH1_SB25	PH1_SB25	PH1_SB25	PH1_SB26	PH1_SB26	PH1_SB26	PH1_SS01
					Sample Name	PH1_SB24_2-4	PH1_SB24_6-8	PH1_SB24_8.5-10.5	PH1_SB25_2-4	PH1_SB25_10-12	PH1_SB25_14-16	PH1_SB26_2-4	PH1_SB26_4-6	PH1_SB26_8-10	PH1_SS01_0-0
					Sample Date	03/08/2024	03/08/2024	03/08/2024	04/02/2023	04/02/2023	04/02/2023	03/07/2024	03/07/2024	03/07/2024	03/21/2023
					Sample Depth	2-4	6-8	8.5-10.5	2-4	10-12	14-16	2-4	4-6	8-10	–
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Per- and Polyfluoroalkyl Substances															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
1H,1H,2H,2H-Perfluorodecane Sulfonic Acid (8:2FTS)	39108-34-4	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid (6:2FTS)	27619-97-2	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	NS	NS	NS	mg/kg	<0.00493 U	<0.0049 U	<0.00474 U	<0.00493 U	<0.00488 U	<0.00499 U	<0.0049 U	<0.00486 U	<0.00507 U	<0.00498 U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	NS	NS	NS	mg/kg	<0.00493 U	<0.0049 U	<0.00474 U	<0.00493 U	<0.00488 U	<0.00499 U	<0.0049 U	<0.00486 U	<0.00507 U	<0.00498 U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	NS	NS	NS	mg/kg	<0.000987 U	<0.000981 U	<0.000948 U	<0.000986 U	<0.000977 U	<0.000997 U	<0.000981 U	<0.000972 U	<0.00101 U	<0.000996 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	13252-13-6	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
N-ethyl Perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	NS	NS	NS	mg/kg	<0.00197 U	<0.00196 U	<0.0019 U	<0.00197 U	<0.00195 U	<0.00199 U	<0.00196 U	<0.00194 U	<0.00203 U	<0.00199 U
N-methyl Perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	NS	NS	NS	mg/kg	<0.00197 U	<0.00196 U	<0.0019 U	<0.00197 U	<0.00195 U	<0.00199 U	<0.00196 U	<0.00194 U	<0.00203 U	<0.00199 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	NS	NS	mg/kg	<0.000395 U	<0.000392 U	<0.000379 U	<0.000394 U	<0.000391 U	<0.000399 U	<0.000392 U	<0.000389 U	<0.000406 U	<0.000398 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	NS	NS	mg/kg	<0.000395 U	<0.000392 U	<0.000379 U	<0.000394 U	<0.000391 U	<0.000399 U	<0.000392 U	<0.000389 U	<0.000406 U	<0.000398 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	NS	NS	mg/kg	<0.000395 U	<0.000392 U	<0.000379 U	<0.000394 U	<0.000391 U	<0.000399 U	<0.000392 U	<0.000389 U	<0.000406 U	<0.000398 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	NS	NS	mg/kg	<0.000395 U	<0.000392 U	<0.000379 U	<0.000394 U	<0.000391 U	<0.000399 U	<0.000392 U	<0.000389 U	<0.000406 U	<0.000398 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	NS	mg/kg	<0.000789 U	<0.000785 U	<0.000759 U	<0.000789 U	<0.000781 U	<0.000798 U	<0.000784 U	<0.000778 U	<0.000811 U	<0.000797 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	0.000105 J	<0.000199 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorododecanesulfonic Acid (PFDoS)	79780-39-5	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	0.000047 J	<0.000203 U	<0.000199 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	0.000075 J	<0.000203 U	<0.000199 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorooctanesulfonamide (PFOSA)	754-91-6	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.00088**	0.001	0.044	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	0.000109 J	<0.000199 U	**0.00093**	**0.00154**	0.0002 J	0.000303
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.0008	0.033	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	0.000076 J	0.000159 J	NA	0.000096 J
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	NS	mg/kg	<0.000395 U	<0.000392 U	<0.000379 U	<0.000394 U	<0.000391 U	<0.000399 U	0.000082 J	0.000122 J	0.000058 J	<0.000398 U
Perfluoropentansulfonic Acid (PFPeS)	2706-91-4	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorotetradecanoic Acid (PFTeDA)	376-06-7	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	NS	mg/kg	<0.000197 U	<0.000196 U	<0.00019 U	<0.000197 U	<0.000195 U	<0.000199 U	<0.000196 U	<0.000194 U	<0.000203 U	<0.000199 U

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3A
Remedial Investigation Report
Soil Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
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, Protection of Groundwater, and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
Soil sample analytical results 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) Unrestricted Use, Restricted Use Restricted-Residential, and Protection of Groundwater Guidance Values (April 2023).
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).

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.

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - Lead Delineation

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	RCRA Characteristics of Hazardous Waste	Location	PH1_SB21A	PH1_SB21A	PH1_SB21A	PH1_SB21A	PH1_SB21A	PH1_SB27
						Sample Name	PH1_SB21A_1-2	PH1_SB21A_2-3	PH1_SB21A_3-4	PH1_SB21A_4-5	PH1_S0DUP03_031723	PH1_SB27_1-2
						Sample Date	03/17/2023	03/17/2023	03/17/2023	03/17/2023	03/17/2023	03/14/2023
						Sample Depth	1-2	2-3	3-4	4-5	4-5	1-2
						Unit	Result	Result	Result	Result	Result	Result
Metals - Total												
Lead	7439-92-1	**63**	450	400	NS	mg/kg	**263**	**273**	**2,560**	**5,060**	**4,830**	**373**
Metals - TCLP												
Lead	7439-92-1	NS	NS	NS	5	mg/l	0.107 J	0.203 J	9.08	13.9	11.6	0.0806 J
General Chemistry												
Solids, Percent	SOLID	NS	NS	NS	NS	Percent	90.4	92	88.8	85.6	87.1	89.8

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs
10 - Result exceeds the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - Lead Delineation

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	RCRA Characteristics of Hazardous Waste	Location	PH1_SB27	PH1_SB27	PH1_SB27	PH1_SB28	PH1_SB28	PH1_SB28	PH1_SB28
						Sample Name	PH1_SB27_2-3	PH1_SB27_3-4	PH1_SB27_4-5	PH1_SB28_1-2	PH1_SB28_2-3	PH1_SB28_3-4	PH1_SB28_4-5
						Sample Date	03/14/2023	03/14/2023	03/14/2023	03/17/2023	03/17/2023	03/17/2023	03/17/2023
						Sample Depth	2-3	3-4	4-5	1-2	2-3	3-4	4-5
						Unit	Result	Result	Result	Result	Result	Result	Result
Metals - Total													
Lead	7439-92-1	**63**	450	400	NS	mg/kg	**528**	**1,090**	**576**	**1,010**	**1,740**	**270**	**361**
Metals - TCLP													
Lead	7439-92-1	NS	NS	NS	5	mg/l	0.43 J	0.633	3.4	0.0744 J	0.0897 J	0.127 J	0.115 J
General Chemistry													
Solids, Percent	SOLID	NS	NS	NS	NS	Percent	90.3	89.8	89.2	90.2	90.2	91.1	90.1

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs
10 - Result exceeds the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic

Table 3B
Remedial Investigation Report
Soil Sample Analytical Results - Lead Delineation

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

TCLP - Toxicity Characteristic Leaching Procedure
CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
mg/l - milligram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

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, Protection of Groundwater, and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).

Soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.

Qualifiers:

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

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Protection of Groundwater SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs
10 - Result exceeds the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic

Table 4
Remedial Investigation Report
Groundwater Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC SGVs	Location	PH1_MW04	PH1_MW16	PH1_MW19	PH1_MW19	PH1_MW21	PH1_MW22	PH1_MW25	PH1_MW26
			Sample Name	PH1_MW04_050423	PH1_MW16_050423	PH1_MW19_050323	PH1_GWDUP01_050323	PH1_MW21_050523	PH1_MW22_050523	PH1_MW25_050423	PH1_MW26_031524
			Sample Date	05/04/2023	05/04/2023	05/03/2023	05/03/2023	05/05/2023	05/05/2023	05/04/2023	03/15/2024
			Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloropropene	563-58-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,3-Dichloropropane	142-28-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
1,4-Diethyl Benzene	105-05-5	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U	<250 U
2,2-Dichloropropane	594-20-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-Chlorotoluene	95-49-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Chlorotoluene	106-43-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-Ethyltoluene	622-96-8	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Acetone	67-64-1	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Acrylonitrile	107-13-1	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Benzene	71-43-2	1	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromobenzene	108-86-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Bromochloromethane	74-97-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Bromomethane	74-83-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Carbon Disulfide	75-15-0	60	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Chloroethane	75-00-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Chloroform	67-66-3	7	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	2.3 J	<2.5 U
Chloromethane	74-87-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Cis-1,2-Dichloroethene	156-59-2	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cymene	99-87-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Ethylbenzene	100-41-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	179601-23-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Methylene Chloride	75-09-2	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Naphthalene	91-20-3	10	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
n-Butylbenzene	104-51-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	103-65-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Styrene	100-42-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
T-Butylbenzene	98-06-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Tert-Butyl Methyl Ether	1634-04-4	**10**	ug/l	1.4 J	6	1.8 J	1.9 J	0.88 J	**24**	9.2	0.76 J
Tetrachloroethene (PCE)	127-18-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	0.58
Toluene	108-88-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Total Xylenes	1330-20-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Trichlorofluoromethane	75-69-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U	<2.5 U
Vinyl Acetate	108-05-4	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Vinyl Chloride	75-01-4	2	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Remedial Investigation Report
Groundwater Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC SGVs	Location	PH1_MW04	PH1_MW16	PH1_MW19	PH1_MW19	PH1_MW21	PH1_MW22	PH1_MW25	PH1_MW26
			Sample Name	PH1_MW04_050423	PH1_MW16_050423	PH1_MW19_050323	PH1_GWDUP01_050323	PH1_MW21_050523	PH1_MW22_050523	PH1_MW25_050423	PH1_MW26_031524
			Sample Date	05/04/2023	05/04/2023	05/03/2023	05/03/2023	05/05/2023	05/05/2023	05/04/2023	03/15/2024
			Unit	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.35	ug/l	<0.147 U	<0.142 U	0.109 J	0.0731 J	<0.144 U	0.0527 J	0.276	0.112 J
2,4,5-Trichlorophenol	95-95-4	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4,6-Trichlorophenol	88-06-2	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-Dichlorophenol	120-83-2	1	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-Dimethylphenol	105-67-9	1	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,4-Dinitrophenol	51-28-5	1	ug/l	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U
2,4-Dinitrotoluene	121-14-2	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2,6-Dinitrotoluene	606-20-2	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Chloronaphthalene	91-58-7	10	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
2-Chlorophenol	95-57-8	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
2-Methylnaphthalene	91-57-6	NS	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
2-Methylphenol (o-Cresol)	95-48-7	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Nitroaniline	88-74-4	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
2-Nitrophenol	88-75-5	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
3-Nitroaniline	99-09-2	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
4-Chloro-3-Methylphenol	59-50-7	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
4-Chloroaniline	106-47-8	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
4-Nitroaniline	100-01-6	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
4-Nitrophenol	100-02-7	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
Acenaphthene	83-32-9	20	ug/l	0.11	<0.1 U	<0.1 U	<0.1 U	0.07 J	<0.1 U	0.02 J	<0.1 U
Acenaphthylene	208-96-8	NS	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
Acetophenone	98-86-2	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Anthracene	120-12-7	50	ug/l	0.02 J	<0.1 U	<0.1 U	<0.1 U	0.03 J	<0.1 U	<0.1 U	<0.1 U
Benzo(a)anthracene	56-55-3	**0.002**	ug/l	**0.04 J**	**0.03 J**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.05 J**	<0.1 U
Benzo(a)pyrene	50-32-8	**0**	ug/l	**0.04 J**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.03 J**	<0.1 U
Benzo(b)fluoranthene	205-99-2	**0.002**	ug/l	**0.05 J**	**0.01 J**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.04 J**	<0.1 U
Benzo(g,h,i)Perylene	191-24-2	NS	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	0.03 J	<0.1 U
Benzo(k)fluoranthene	207-08-9	**0.002**	ug/l	**0.02 J**	**0.01 J**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.01 J**	<0.1 U
Benzoic Acid	65-85-0	NS	ug/l	<50 U	7.9 J	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U
Benzyl Alcohol	100-51-6	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Benzyl Butyl Phthalate	85-68-7	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	1.4 J
Biphenyl (Diphenyl)	92-52-4	5	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Bis(2-chloroethoxy) methane	111-91-1	5	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	1	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Bis(2-chloroisopropyl) ether	108-60-1	5	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Bis(2-ethylhexyl) phthalate	117-81-7	5	ug/l	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U	<3 U
Carbazole	86-74-8	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Chrysene	218-01-9	**0.002**	ug/l	**0.04 J**	**0.01 J**	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.03 J**	<0.1 U
Dibenz(a,h)anthracene	53-70-3	NS	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
Dibenzofuran	132-64-9	NS	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Dibutyl phthalate	84-74-2	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Diethyl phthalate	84-66-2	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dimethyl phthalate	131-11-3	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Dioctyl phthalate	117-84-0	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Fluoranthene	206-44-0	50	ug/l	0.07 J	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	0.06 J	<0.1 U
Fluorene	86-73-7	50	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	0.02 J	<0.1 U	<0.1 U
Hexachlorobenzene	118-74-1	0.04	ug/l	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U
Hexachloroethane	67-72-1	5	ug/l	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
Indeno(1,2,3-cd)pyrene	193-39-5	**0.002**	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	**0.03 J**	<0.1 U
Isophorone	78-59-1	50	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Naphthalene	91-20-3	10	ug/l	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U	<0.1 U
Nitrobenzene	98-95-3	0.4	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
n-Nitrosodiphenylamine	86-30-6	50	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
Pentachlorophenol	87-86-5	1	ug/l	<0.8 U	0.1 J	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
Phenanthrene	85-01-8	50	ug/l	0.04 J	<0.1 U	<0.1 U	<0.1 U	0.06 J	<0.1 U	0.04 J	<0.1 U
Phenol	108-95-2	1	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Pyrene	129-00-0	50	ug/l	0.11	<0.1 U	<0.1 U	<0.1 U	0.37	<0.1 U	0.06 J	<0.1 U

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Remedial Investigation Report
Groundwater Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC SGVs	Location	PH1_MW04	PH1_MW16	PH1_MW19	PH1_MW19	PH1_MW21	PH1_MW22	PH1_MW25	PH1_MW26
			Sample Name	PH1_MW04_050423	PH1_MW16_050423	PH1_MW19_050323	PH1_GWDUP01_050323	PH1_MW21_050523	PH1_MW22_050523	PH1_MW25_050423	PH1_MW26_031524
			Sample Date	05/04/2023	05/04/2023	05/03/2023	05/03/2023	05/05/2023	05/05/2023	05/04/2023	03/15/2024
			Unit	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides											
4,4'-DDD	72-54-8	0.3	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
4,4'-DDE	72-55-9	0.2	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
4,4'-DDT	50-29-3	0.2	ug/l	<0.029 U	<0.029 U	<0.029 UJ	<0.029 UJ	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
Aldrin	309-00-2	0	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Alpha Chlordane	5103-71-9	NS	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U
Alpha Endosulfan	959-98-8	NS	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Beta Endosulfan	33213-65-9	NS	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
Chlordane (alpha and gamma)	57-74-9	0.05	ug/l	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Dieldrin	60-57-1	0.004	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
Endosulfan Sulfate	1031-07-8	NS	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U
Endrin	72-20-8	0	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
Endrin Aldehyde	7421-93-4	5	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U
Endrin Ketone	53494-70-5	5	ug/l	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 UJ
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Gamma Chlordane (Trans)	5103-74-2	NS	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U
Heptachlor	76-44-8	0.04	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Heptachlor Epoxide	1024-57-3	0.03	ug/l	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 U	<0.014 UJ
Methoxychlor	72-43-5	35	ug/l	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U
Toxaphene	8001-35-2	0.06	ug/l	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U	<0.143 U
Herbicides											
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	35	ug/l	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	50	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
Silvex (2,4,5-Tp)	93-72-1	0.26	ug/l	<2 U	<2 U	<2 UJ	<2 UJ	<2 U	<2 U	<2 U	<2 U
Polychlorinated Biphenyl											
PCB-1016 (Aroclor 1016)	12674-11-2	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1221 (Aroclor 1221)	11104-28-2	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1232 (Aroclor 1232)	11141-16-5	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1242 (Aroclor 1242)	53469-21-9	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1248 (Aroclor 1248)	12672-29-6	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1254 (Aroclor 1254)	11097-69-1	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1260 (Aroclor 1260)	11096-82-5	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1262 (Aroclor 1262)	37324-23-5	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
PCB-1268 (Aroclor 1268)	11100-14-4	NS	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
Total PCBs	1336-36-3	0.09	ug/l	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U	<0.071 U
Metals - Dissolved											
Aluminum	7429-90-5	NS	ug/l	3.76 J	4.12 J	6.53 J	4.24 J	<10 U	6.41 J	8.85 J	3.62 J
Antimony	7440-36-0	**3**	ug/l	0.56 J	<4 U	0.53 J	0.5 J	<4 U	<4 U	0.52 J	**3.31 J**
Arsenic	7440-38-2	25	ug/l	0.24 J	3.79	0.42 J	0.46 J	8.13	3.14	4.19	0.78
Barium	7440-39-3	1000	ug/l	92.22	120.7	119.2	121.3	445.5	98.6	41.19	96.77
Beryllium	7440-41-7	3	ug/l	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cadmium	7440-43-9	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Calcium	7440-70-2	NS	ug/l	103,000	131,000	98,300	102,000	72,500	156,000	53,000	137,000
Chromium, Total	7440-47-3	50	ug/l	0.39 J	0.28 J	0.18 J	0.19 J	<1 U	<1 U	0.47 J	0.3 J
Cobalt	7440-48-4	NS	ug/l	0.17 J	<0.5 U	0.17 J	0.22 J	6.93	0.62	1.01	0.38 J
Copper	7440-50-8	200	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.5 J	2.96
Iron	7439-89-6	**300**	ug/l	**1,330**	**7,700**	**2,370**	**2,400**	**38,100**	**2,410**	19.1 J	69.3
Lead	7439-92-1	25	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	0.64 J	<1 U	0.36 J
Magnesium	7439-95-4	**35000**	ug/l	15,600	21,500	16,500	16,600	23,700	28,600 J	17,900	**45,800**
Manganese	7439-96-5	**300**	ug/l	**1,422**	**2,404**	**1,033**	**1,036**	**3,894**	**1,129**	**424**	175.8
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Nickel	7440-02-0	100	ug/l	0.63 J	0.57 J	<2 U	<2 U	1.28 J	6.9	1.91 J	1.55 J
Potassium	7440-09-7	NS	ug/l	12,500	16,300	14,000	14,600	12,800	23,300	14,900	20,500
Selenium	7782-49-2	10	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	2.93 J
Silver	7440-22-4	50	ug/l	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
Sodium	7440-23-5	**20000**	ug/l	**52,900**	**104,000**	**112,000**	**112,000**	**160,000**	**218,000**	**60,900**	**77,900**
Thallium	7440-28-0	0.5	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Vanadium	7440-62-2	NS	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	4.64 J	7.27	2.58 J
Zinc	7440-66-6	2000	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	3.76 J

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Remedial Investigation Report
Groundwater Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDEC SGVs	Location	PH1_MW04	PH1_MW16	PH1_MW19	PH1_MW19	PH1_MW21	PH1_MW22	PH1_MW25	PH1_MW26
			Sample Name	PH1_MW04_050423	PH1_MW16_050423	PH1_MW19_050323	PH1_GWDUP01_050323	PH1_MW21_050523	PH1_MW22_050523	PH1_MW25_050423	PH1_MW26_031524
			Sample Date	05/04/2023	05/04/2023	05/03/2023	05/03/2023	05/05/2023	05/05/2023	05/04/2023	03/15/2024
			Unit	Result	Result	Result	Result	Result	Result	Result	Result
Metals - Total											
Aluminum	7429-90-5	NS	ug/l	2,700	14.3	24.9 J	14.8 J	59	12.3	351	4.38 J
Antimony	7440-36-0	**3**	ug/l	<4 U	<4 U	0.63 J	0.67 J	<4 U	<4 U	0.44 J	**3.65 J**
Arsenic	7440-38-2	25	ug/l	1.4	3.99	0.39 J	0.44 J	8.13	2.92	3.75	0.74
Barium	7440-39-3	1000	ug/l	115.1	124.5	123	119.8	431.7	100.7	43	104.4
Beryllium	7440-41-7	3	ug/l	0.16 J	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
Cadmium	7440-43-9	5	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
Calcium	7440-70-2	NS	ug/l	102,000	131,000	94,300	97,500	70,500	159,000	52,100	150,000
Chromium, Hexavalent	18540-29-9	50	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<50 U	<10 U	<10 U
Chromium, Total	7440-47-3	NS	ug/l	4.39	0.41 J	0.33 J	0.2 J	0.31 J	0.5 J	1.36	1.39 J
Chromium, Trivalent	16065-83-1	NS	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<50 U	<10 U	<10 U
Cobalt	7440-48-4	NS	ug/l	1.76	0.16 J	0.2 J	0.21 J	6.73	0.71	1.15	0.37 J
Copper	7440-50-8	200	ug/l	4.19	<1 U	<1 U	<1 U	<1 U	<1 U	1.31	3.07
Cyanide	57-12-5	200	ug/l	<5 U	<5 U	<5 U	<5 U	2 J	<5 U	<5 U	<5 U
Iron	7439-89-6	**300**	ug/l	**5,150**	**7,810**	**2,580**	**2,440**	**37,000**	**2,360**	**423**	75.1
Lead	7439-92-1	**25**	ug/l	**41.28**	0.41 J	0.49 J	0.41 J	0.47 J	0.8 J	3.33	<1 U
Magnesium	7439-95-4	**35000**	ug/l	16,000	21,300	16,900	17,300	20,400	28,300 J	15,200	**44,700**
Manganese	7439-96-5	**300**	ug/l	**1,462**	**2,439**	**1,097**	**1,133**	**3,797**	**1,186**	**372.8**	189.6
Mercury	7439-97-6	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U	0.4
Nickel	7440-02-0	100	ug/l	3.54	<2 U	<2 U	<2 U	1.25 J	7.18	2.36	1.8 J
Potassium	7440-09-7	NS	ug/l	12,400	16,800	13,400	13,500	12,300	22,600	14,100	20,200
Selenium	7782-49-2	10	ug/l	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	3.39 J
Silver	7440-22-4	50	ug/l	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
Sodium	7440-23-5	**20000**	ug/l	**52,400**	**109,000**	**98,900**	**99,800**	**154,000**	**218,000**	**56,300**	**76,200**
Thallium	7440-28-0	0.5	ug/l	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Vanadium	7440-62-2	NS	ug/l	6.59	<5 U	<5 U	<5 U	<5 U	4.65 J	8.29	3.11 J
Zinc	7440-66-6	2000	ug/l	13.26	<10 U	<10 U	<10 U	<10 U	<10 U	4.81 J	4.27 J
Per- and Polyfluoroalkyl Substances											
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
1H,1H,2H,2H-Perfluorodecane Sulfonic Acid (8:2FTS)	39108-34-4	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	NS	ug/l	<0.0057 UJ	<0.00562 UJ	<0.00587 UJ	<0.00617 UJ	<0.00598 UJ	<0.00624 UJ	<0.00593 UJ	<0.00632 UJ
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid (6:2FTS)	27619-97-2	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	NS	ug/l	<0.0356 U	<0.0351 U	<0.0367 U	<0.0386 U	<0.0374 U	<0.039 U	<0.0371 U	<0.0395 U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	NS	ug/l	<0.0356 U	<0.0351 U	<0.0367 U	<0.0386 U	<0.0374 U	<0.039 U	<0.0371 U	0.0111 J
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	NS	ug/l	<0.00713 U	<0.00702 U	<0.00733 U	<0.00772 U	<0.00747 U	<0.0078 U	<0.00741 U	<0.0079 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	13252-13-6	NS	ug/l	<0.0057 U	<0.00562 U	<0.00587 U	<0.00617 U	<0.00598 U	<0.00624 U	<0.00593 U	<0.00632 U
N-ethyl Perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	ug/l	0.00257	0.0014	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	0.00269
N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	NS	ug/l	<0.0143 U	<0.014 U	<0.0147 U	<0.0154 U	<0.0149 U	<0.0156 U	<0.0148 U	<0.0158 U
N-methyl Perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	NS	ug/l	<0.0143 U	<0.014 U	<0.0147 U	<0.0154 U	<0.0149 U	<0.0156 U	<0.0148 U	<0.0158 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NS	ug/l	<0.00285 U	<0.00281 U	<0.00293 U	<0.00309 U	<0.00299 U	<0.00312 U	<0.00296 U	<0.00316 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NS	ug/l	<0.00285 U	<0.00281 U	<0.00293 U	<0.00309 U	<0.00299 U	<0.00312 U	<0.00296 U	<0.00316 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NS	ug/l	<0.00285 U	<0.00281 U	<0.00293 U	<0.00309 U	<0.00299 U	<0.00312 U	<0.00296 U	<0.00316 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NS	ug/l	<0.00285 U	<0.00281 U	<0.00293 U	<0.00309 U	<0.00299 U	<0.00312 U	<0.00296 U	<0.00316 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	ug/l	0.115	0.0225	0.0108 J	0.00648 J	0.00344	0.00444	0.0046	0.00957
Perfluorobutanoic acid (PFBA)	375-22-4	NS	ug/l	0.0183	0.011	0.00931	0.0103	0.00508 J	0.00452 J	0.00511 J	0.0133
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	0.00107 J
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	ug/l	0.000713 J	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	0.00175
Perfluorododecanesulfonic Acid (PFDoS)	79780-39-5	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	ug/l	0.000499 J	0.000562 J	<0.00147 U	0.000463 J	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	ug/l	0.0072	0.00414	0.00279	0.00301	0.00232	0.00125 J	0.002	0.0108
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	ug/l	0.00242	0.0026	0.00249	0.00309	0.00336	0.00195	0.00126 J	0.00336
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	ug/l	0.0166	0.00969	0.00667	0.00725	0.00448	0.00242	0.0043	0.0158
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	ug/l	0.00307	0.00112 J	0.00132 J	0.00147 J	0.00164	<0.00156 U	0.000593 J	0.00474
Perfluorooctanesulfonamide (PFOSA)	754-91-6	NS	ug/l	0.000642 J	0.000421 J	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	0.000822 J
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	**0.0027**	ug/l	**0.0361**	**0.0253**	**0.0187**	**0.0236**	**0.0211**	**0.00553**	**0.00852**	**0.0312**
Perfluorooctanoic Acid (PFOA)	335-67-1	**0.0067**	ug/l	**0.0189**	**0.0147**	**0.0102**	**0.011**	0.00575	0.00499	0.00519	**0.051**
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	ug/l	0.0162	0.008	0.00733	0.00802	0.00448	0.00312	0.00571	0.0212
Perfluoropentansulfonic Acid (PFPeS)	2706-91-4	NS	ug/l	0.000642 J	0.000702 J	0.000513 J	0.000463 J	0.000598 J	0.000546 J	0.000296 J	0.000751 J
Perfluorotetradecanoic Acid (PFTeDA)	376-06-7	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	ug/l	<0.00143 U	<0.0014 U	<0.00147 U	<0.00154 U	<0.00149 U	<0.00156 U	<0.00148 U	<0.00158 U

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Remedial Investigation Report
Groundwater Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water and published addenda (herein collectively referenced as "NYSDEC SGVs").

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.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 5
Remedial Investigation Report
Quality Assurance/Quality Control Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	Sample Type	FB	FB	TB	FB	FB	FB	FB	TB	FB	TB	FB	TB	FB	TB
		Sample Name	PH1_FB01_031523	PH1_FB02_031623	PH1_SOTB02_031623	PH1_FB03_032023	PH1_FB04_032123	PH1_FB05_040223	PH1_GWFB01_050323	PH1_GWTB01_050323	PH1_GWFB02_050423	PH1_GWTB02_050423	PH1_GWFB03_050523	PH1_GWTB03_050523	PH1_GWFB04_031524	PH1_GWTB04_031524
		Sample Date	03/15/2023	03/16/2023	03/16/2023	03/20/2023	03/21/2023	04/02/2023	05/03/2023	05/03/2023	05/04/2023	05/04/2023	05/05/2023	05/05/2023	03/15/2024	03/15/2024
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,1,1-Trichloroethane	71-55-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
1,1,2-Trichloroethane	79-00-5	ug/l	NA	<1.5 U	<1.5 U	NA	NA	NA	NA	<1.5 U	NA	<1.5 U	<1.5 U	<1.5 U	NA	<1.5 U
1,1-Dichloroethane	75-34-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,1-Dichloroethene	75-35-4	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
1,1-Dichloropropene	563-58-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2,3-Trichlorobenzene	87-61-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2,3-Trichloropropane	96-18-4	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	ug/l	NA	<2.0 U	<2.0 U	NA	NA	NA	NA	<2.0 U	NA	<2.0 U	<2.0 U	<2.0 U	NA	<2.0 U
1,2,4-Trichlorobenzene	120-82-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2,4-Trimethylbenzene	95-63-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	NA	<2.0 U	<2.0 U	NA	NA	NA	NA	<2.0 U	NA	<2.0 U	<2.0 U	<2.0 U	NA	<2.0 U
1,2-Dichlorobenzene	95-50-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,2-Dichloroethane	107-06-2	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
1,2-Dichloropropane	78-87-5	ug/l	NA	<1.0 U	<1.0 U	NA	NA	NA	NA	<1.0 U	NA	<1.0 U	<1.0 U	<1.0 U	NA	<1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,3-Dichlorobenzene	541-73-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,3-Dichloropropane	142-28-9	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,4-Dichlorobenzene	106-46-7	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
1,4-Diethyl Benzene	105-05-5	ug/l	NA	<2.0 U	<2.0 U	NA	NA	NA	NA	<2.0 U	NA	<2.0 U	<2.0 U	<2.0 U	NA	<2.0 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	NA	<250 U	<250 U	NA	NA	NA	NA	<250 U	NA	<250 U	<250 U	<250 U	NA	<250 U
2,2-Dichloropropane	594-20-7	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
2-Chlorotoluene	95-49-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
2-Hexanone (MBK)	591-78-6	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
4-Chlorotoluene	106-43-4	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
4-Ethyltoluene	622-96-8	ug/l	NA	<2.0 U	<2.0 U	NA	NA	NA	NA	<2.0 U	NA	<2.0 U	<2.0 U	<2.0 U	NA	<2.0 U
Acetone	67-64-1	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Acrylonitrile	107-13-1	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Benzene	71-43-2	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Bromobenzene	108-86-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Bromochloromethane	74-97-5	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Bromodichloromethane	75-27-4	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Bromoform	75-25-2	ug/l	NA	<2.0 U	<2.0 U	NA	NA	NA	NA	<2.0 U	NA	<2.0 U	<2.0 U	<2.0 U	NA	<2.0 U
Bromomethane	74-83-9	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Carbon Disulfide	75-15-0	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Carbon Tetrachloride	56-23-5	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Chlorobenzene	108-90-7	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Chloroethane	75-00-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Chloroform	67-66-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Chloromethane	74-87-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Cis-1,2-Dichloroethene	156-59-2	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Cis-1,3-Dichloropropene	10061-01-5	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Cymene	99-87-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Dibromochloromethane	124-48-1	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Dibromomethane	74-95-3	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Dichlorodifluoromethane	75-71-8	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Diethyl Ether (Ethyl Ether)	60-29-7	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Ethylbenzene	100-41-4	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Hexachlorobutadiene	87-68-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Isopropylbenzene (Cumene)	98-82-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
M,P-Xylene	179601-23-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Methylene Chloride	75-09-2	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Naphthalene	91-20-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
n-Butylbenzene	104-51-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
n-Propylbenzene	103-65-1	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Sec-Butylbenzene	135-98-8	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Styrene	100-42-5	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
T-Butylbenzene	98-06-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Tert-Butyl Methyl Ether	1634-04-4	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Tetrachloroethene (PCE)	127-18-4	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Toluene	108-88-3	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Total Xylenes	1330-20-7	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Trans-1,2-Dichloroethene	156-60-5	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Trans-1,3-Dichloropropene	10061-02-6	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Trans-1,4-Dichloro-2-Butene	110-57-6	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Trichloroethene (TCE)	79-01-6	ug/l	NA	<0.50 U	<0.50 U	NA	NA	NA	NA	<0.50 U	NA	<0.50 U	<0.50 U	<0.50 U	NA	<0.50 U
Trichlorofluoromethane	75-69-4	ug/l	NA	<2.5 U	<2.5 U	NA	NA	NA	NA	<2.5 U	NA	<2.5 U	<2.5 U	<2.5 U	NA	<2.5 U
Vinyl Acetate	108-05-4	ug/l	NA	<5.0 U	<5.0 U	NA	NA	NA	NA	<5.0 U	NA	<5.0 U	<5.0 U	<5.0 U	NA	<5.0 U
Vinyl Chloride	75-01-4	ug/l	NA	<1.0 U	<1.0 U	NA	NA	NA	NA	<1.0 U	NA	<1.0 U	<1.0 U	<1.0 U	NA	<1.0 U

Table 5
Remedial Investigation Report
Quality Assurance/Quality Control Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	Sample Type	FB	FB	TB	FB	FB	FB	FB	TB	FB	TB	FB	TB	FB	TB
		Sample Name	PH1_FB01_031523	PH1_FB02_031623	PH1_SOTB02_031623	PH1_FB03_032023	PH1_FB04_032123	PH1_FB05_040223	PH1_GWFB01_050323	PH1_GWTB01_050323	PH1_GWFB02_050423	PH1_GWTB02_050423	PH1_GWFB03_050523	PH1_GWTB03_050523	PH1_GWFB04_031524	PH1_GWTB04_031524
		Sample Date	03/15/2023	03/16/2023	03/16/2023	03/20/2023	03/21/2023	04/02/2023	05/03/2023	05/03/2023	05/04/2023	05/04/2023	05/05/2023	05/05/2023	03/15/2024	03/15/2024
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	NA	<0.134 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.15 U	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	NA	<20 U	NA	NA	NA	NA	NA	NA	NA	NA	<20 U	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	NA	<0.20 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.20 U	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	NA	0.10 J	NA	NA	NA	NA	NA	NA	NA	NA	0.07 J	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA
Acenaphthene	83-32-9	ug/l	NA	0.03 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	NA	0.01 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Acetophenone	98-86-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Anthracene	120-12-7	ug/l	NA	0.02 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzo(a)anthracene	56-55-3	ug/l	NA	0.02 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzo(a)pyrene	50-32-8	ug/l	NA	<0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	ug/l	NA	0.01 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	ug/l	NA	<0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	ug/l	NA	<0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Benzoic Acid	65-85-0	ug/l	NA	<50 U	NA	NA	NA	NA	NA	NA	NA	NA	7.8 J	NA	NA	NA
Benzyl Alcohol	100-51-6	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Benzyl Butyl Phthalate	85-68-7	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Biphenyl (Diphenyl)	92-52-4	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Bis(2-chloroisopropyl) ether	108-60-1	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	ug/l	NA	<3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<3.0 U	NA	NA	NA
Carbazole	86-74-8	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Chrysene	218-01-9	ug/l	NA	0.01 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Dibenz(a,h)anthracene	53-70-3	ug/l	NA	<0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Dibutyl phthalate	84-74-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Diethyl phthalate	84-66-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Dimethyl phthalate	131-11-3	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Dioctyl phthalate	117-84-0	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Fluoranthene	206-44-0	ug/l	NA	0.02 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Fluorene	86-73-7	ug/l	NA	0.03 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Hexachlorobenzene	118-74-1	ug/l	NA	<0.80 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.80 U	NA	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	NA	<0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	NA	<20 U	NA	NA	NA	NA	NA	NA	NA	NA	<20 U	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	NA	<0.80 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.80 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	NA	<0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Isophorone	78-59-1	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Naphthalene	91-20-3	ug/l	NA	0.18	NA	NA	NA	NA	NA	NA	NA	NA	0.33	NA	NA	NA
Nitrobenzene	98-95-3	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
n-Nitrosodiphenylamine	86-30-6	ug/l	NA	<2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 U	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	NA	<0.80 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.80 U	NA	NA	NA
Phenanthrene	85-01-8	ug/l	NA	0.08 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA
Phenol	108-95-2	ug/l	NA	<5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.0 U	NA	NA	NA
Pyrene	129-00-0	ug/l	NA	0.03 J	NA	NA	NA	NA	NA	NA	NA	NA	<0.10 U	NA	NA	NA

Table 5
Remedial Investigation Report
Quality Assurance/Quality Control Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	Sample Type	FB	FB	TB	FB	FB	FB	FB	TB	FB	TB	FB	TB	FB	TB
		Sample Name	PH1_FB01_031523	PH1_FB02_031623	PH1_SOTB02_031623	PH1_FB03_032023	PH1_FB04_032123	PH1_FB05_040223	PH1_GWFB01_050323	PH1_GWTB01_050323	PH1_GWFB02_050423	PH1_GWTB02_050423	PH1_GWFB03_050523	PH1_GWTB03_050523	PH1_GWFB04_031524	PH1_GWTB04_031524
		Sample Date	03/15/2023	03/16/2023	03/16/2023	03/20/2023	03/21/2023	04/02/2023	05/03/2023	05/03/2023	05/04/2023	05/04/2023	05/05/2023	05/05/2023	03/15/2024	03/15/2024
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																
4,4'-DDD	72-54-8	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
4,4'-DDE	72-55-9	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
4,4'-DDT	50-29-3	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Aldrin	309-00-2	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Alpha Chlordane	5103-71-9	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Alpha Endosulfan	959-98-8	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Beta Endosulfan	33213-65-9	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Chlordane (alpha and gamma)	57-74-9	ug/l	NA	<0.143 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.143 U	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Dieldrin	60-57-1	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Endrin	72-20-8	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Endrin Ketone	53494-70-5	ug/l	NA	<0.029 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.029 U	NA	NA	NA
Gamma Bhc (Lindane)	58-89-9	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Gamma Chlordane (Trans)	5103-74-2	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Heptachlor	76-44-8	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	NA	<0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.014 U	NA	NA	NA
Methoxychlor	72-43-5	ug/l	NA	<0.143 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.143 U	NA	NA	NA
Toxaphene	8001-35-2	ug/l	NA	<0.143 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.143 U	NA	NA	NA
Herbicides																
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	ug/l	NA	<2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.00 U	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	ug/l	NA	<10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<10.0 U	NA	NA	NA
Silvex (2,4,5-Tp)	93-72-1	ug/l	NA	<2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.00 U	NA	NA	NA
Polychlorinated Biphenyl																
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1262 (Aroclor 1262)	37324-23-5	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
PCB-1268 (Aroclor 1268)	11100-14-4	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
Total PCBs	1336-36-3	ug/l	NA	<0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.071 U	NA	NA	NA
Metals - Dissolved																
Aluminum	7429-90-5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0 U	NA	NA	NA
Antimony	7440-36-0	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.00 U	NA	NA	NA
Arsenic	7440-38-2	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Barium	7440-39-3	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	NA	NA	NA
Beryllium	7440-41-7	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Cadmium	7440-43-9	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20 U	NA	NA	NA
Calcium	7440-70-2	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Chromium, Total	7440-47-3	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 J	NA	NA	NA
Cobalt	7440-48-4	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Copper	7440-50-8	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Iron	7439-89-6	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<50.0 U	NA	NA	NA
Lead	7439-92-1	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Magnesium	7439-95-4	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<70.0 U	NA	NA	NA
Manganese	7439-96-5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Mercury	7439-97-6	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20 U	NA	NA	NA
Nickel	7440-02-0	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.00 U	NA	NA	NA
Potassium	7440-09-7	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Selenium	7782-49-2	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.00 U	NA	NA	NA
Silver	7440-22-4	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40 U	NA	NA	NA
Sodium	7440-23-5	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Thallium	7440-28-0	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Vanadium	7440-62-2	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.00 U	NA	NA	NA
Zinc	7440-66-6	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.00 U	NA	NA	X

Table 5
Remedial Investigation Report
Quality Assurance/Quality Control Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	Sample Type	FB	FB	TB	FB	FB	FB	FB	TB	FB	TB	FB	TB	FB	TB
		Sample Name	PH1_FB01_031523	PH1_FB02_031623	PH1_SOTB02_031623	PH1_FB03_032023	PH1_FB04_032123	PH1_FB05_040223	PH1_GWFB01_050323	PH1_GWTB01_050323	PH1_GWFB02_050423	PH1_GWTB02_050423	PH1_GWFB03_050523	PH1_GWTB03_050523	PH1_GWFB04_031524	PH1_GWTB04_031524
		Sample Date	03/15/2023	03/16/2023	03/16/2023	03/20/2023	03/21/2023	04/02/2023	05/03/2023	05/03/2023	05/04/2023	05/04/2023	05/05/2023	05/05/2023	03/15/2024	03/15/2024
		Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals - Total																
Aluminum	7429-90-5	ug/l	NA	<10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<10.0 U	NA	NA	NA
Antimony	7440-36-0	ug/l	NA	<4.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<4.00 U	NA	NA	NA
Arsenic	7440-38-2	ug/l	NA	<0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Barium	7440-39-3	ug/l	NA	<0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA	NA
Beryllium	7440-41-7	ug/l	NA	<0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Cadmium	7440-43-9	ug/l	NA	<0.20 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.20 U	NA	NA	NA
Calcium	7440-70-2	ug/l	NA	<100 U	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Chromium, Hexavalent	18540-29-9	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	5 J	NA	NA	NA
Chromium, Total	7440-47-3	ug/l	NA	<1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Chromium, Trivalent	16065-83-1	ug/l	NA	<10 U	NA	NA	NA	NA	NA	NA	NA	NA	<10 U	NA	NA	NA
Cobalt	7440-48-4	ug/l	NA	<0.50 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.50 U	NA	NA	NA
Copper	7440-50-8	ug/l	NA	<1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Cyanide	57-12-5	ug/l	NA	<5 U	NA	NA	NA	NA	NA	NA	NA	NA	<5 U	NA	NA	NA
Iron	7439-89-6	ug/l	NA	<50.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<50.0 U	NA	NA	NA
Lead	7439-92-1	ug/l	NA	<1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Magnesium	7439-95-4	ug/l	NA	<70.0 U	NA	NA	NA	NA	NA	NA	NA	NA	<70.0 U	NA	NA	NA
Manganese	7439-96-5	ug/l	NA	<1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Mercury	7439-97-6	ug/l	NA	<0.20 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.20 U	NA	NA	NA
Nickel	7440-02-0	ug/l	NA	<2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<2.00 U	NA	NA	NA
Potassium	7440-09-7	ug/l	NA	<100 U	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Selenium	7782-49-2	ug/l	NA	<5.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.00 U	NA	NA	NA
Silver	7440-22-4	ug/l	NA	<0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	<0.40 U	NA	NA	NA
Sodium	7440-23-5	ug/l	NA	<100 U	NA	NA	NA	NA	NA	NA	NA	NA	<100 U	NA	NA	NA
Thallium	7440-28-0	ug/l	NA	0.20 J	NA	NA	NA	NA	NA	NA	NA	NA	<1.00 U	NA	NA	NA
Vanadium	7440-62-2	ug/l	NA	<5.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<5.00 U	NA	NA	NA
Zinc	7440-66-6	ug/l	NA	<10.00 U	NA	NA	NA	NA	NA	NA	NA	NA	<10.00 U	NA	NA	NA
Per- and Polyfluoroalkyl Substances																
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
1H,1H,2H,2H-Perfluorodecane Sulfonic Acid (8:2FTS)	39108-34-4	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	6HPFHXSA	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid (6:2FTS)	27619-97-2	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	ug/l	<0.0354 U	<0.0374 U	NA	<0.0359 U	<0.0355 U	<0.0371 U	<0.0374 U	NA	<0.0367 U	NA	<0.0365 U	NA	<0.0391 U	NA
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	ug/l	<0.0354 U	<0.0374 U	NA	<0.0359 U	<0.0355 U	<0.0371 U	<0.0374 U	NA	<0.0367 U	NA	<0.0365 U	NA	<0.0391 U	NA
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	ug/l	<0.00708 U	<0.00748 U	NA	<0.00719 U	<0.00710 U	<0.00743 U	<0.00747 U	NA	<0.00733 U	NA	<0.00731 U	NA	<0.00783 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	13252-13-6	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
N-ethyl Perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
N-ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
N-ethyl Perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	ug/l	<0.0142 U	<0.0150 U	NA	<0.0144 U	<0.0142 U	<0.0148 U	<0.0149 U	NA	<0.0147 U	NA	<0.0146 U	NA	<0.0156 U	NA
N-methyl Perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
N-methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
N-methyl Perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	ug/l	<0.0142 U	<0.0150 U	NA	<0.0144 U	<0.0142 U	<0.0148 U	<0.0149 U	NA	<0.0147 U	NA	<0.0146 U	NA	<0.0156 U	NA
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ug/l	<0.00283 U	<0.00299 U	NA	<0.00287 U	<0.00284 U	<0.00297 U	<0.00299 U	NA	<0.00293 U	NA	<0.00292 U	NA	<0.00313 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ug/l	<0.00283 U	<0.00299 U	NA	<0.00287 U	<0.00284 U	<0.00297 U	<0.00299 U	NA	<0.00293 U	NA	<0.00292 U	NA	<0.00313 U	NA
Perfluoro-3-methoxypropanoic acid	377-73-1	ug/l	<0.00283 U	<0.00299 U	NA	<0.00287 U	<0.00284 U	<0.00297 U	<0.00299 U	NA	<0.00293 U	NA	<0.00292 U	NA	<0.00313 U	NA
Perfluoro-4-methoxybutanoic acid	863090-89-5	ug/l	<0.00283 U	<0.00299 U	NA	<0.00287 U	<0.00284 U	<0.00297 U	<0.00299 U	NA	<0.00293 U	NA	<0.00292 U	NA	<0.00313 U	NA
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorobutanoic acid (PFBA)	375-22-4	ug/l	<0.00566 U	<0.00598 U	NA	<0.00575 U	<0.00568 U	<0.00594 U	<0.00598 U	NA	<0.00587 U	NA	<0.00585 U	NA	<0.00626 U	NA
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorododecanesulfonic Acid (PFDoS)	79780-39-5	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorononanoic Acid (PFNA)	375-95-1	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorooctanesulfonamide (PFOSA)	754-91-6	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/l	<0.00283 U	<0.00299 U	NA	<0.00287 U	<0.00284 U	<0.00297 U	<0.00299 U	NA	<0.00293 U	NA	<0.00292 U	NA	<0.00313 U	NA
Perfluoropentansulfonic Acid (PFPeS)	2706-91-4	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorotetradecanoic Acid (PFTeDA)	376-06-7	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/l	<0.00142 U	<0.00150 U	NA	<0.00144 U	<0.00142 U	<0.00148 U	<0.00149 U	NA	<0.00147 U	NA	<0.00146 U	NA	<0.00156 U	NA

Table 5
Remedial Investigation Report
Quality Assurance/Quality Control Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

FB - Field Blank
TB - Trip Blank
CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

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 6
Remedial Investigation Report
Soil Vapor Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	Location	PH1_SV21	PH1_SV26
		Sample Name	PH1_SV21_030824	PH1_SV26_030824
		Sample Date	03/08/2024	03/08/2024
		Sample Type	SV	SV
		Unit	Result	Result
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	<1.3 U	<13 U
1,1,1-Trichloroethane	71-55-6	ug/m3	<1 U	<10 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	<1.3 U	<13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/m3	<1.5 U	<14 U
1,1,2-Trichloroethane	79-00-5	ug/m3	<1 U	<10 U
1,1-Dichloroethane	75-34-3	ug/m3	<0.77 U	<7.4 U
1,1-Dichloroethene	75-35-4	ug/m3	<0.19 U	<1.8 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	<1.4 U	<14 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	<0.94 U	<9 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/m3	<1.5 U	<14 U
1,2-Dichlorobenzene	95-50-1	ug/m3	<1.2 U	<11 U
1,2-Dichloroethane	107-06-2	ug/m3	<0.77 U	<7.4 U
1,2-Dichloropropane	78-87-5	ug/m3	<0.88 U	<8.5 U
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	<1.3 U	<13 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/m3	<0.94 U	<9 U
1,3-Butadiene	106-99-0	ug/m3	<1.3 U	<12 U
1,3-Dichlorobenzene	541-73-1	ug/m3	<1.2 U	<11 U
1,3-Dichloropropane	142-28-9	ug/m3	<0.88 U	<8.5 U
1,4-Dichlorobenzene	106-46-7	ug/m3	<1.2 U	<11 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/m3	<1.4 U	<13 U
2-Hexanone (MBK)	591-78-6	ug/m3	<1.6 U	<15 U
4-Ethyltoluene	622-96-8	ug/m3	<0.94 U	<9 U
Acetone	67-64-1	ug/m3	6.3 D	10 D
Acrylonitrile	107-13-1	ug/m3	<0.42 UJ	<4 UJ
Allyl Chloride (3-Chloropropene)	107-05-1	ug/m3	<3 U	<29 U
Benzene	71-43-2	ug/m3	0.73 D	5.9 D
Benzyl Chloride	100-44-7	ug/m3	<0.99 U	<9.5 U
Bromodichloromethane	75-27-4	ug/m3	<1.3 U	<12 U
Bromoethene	593-60-2	ug/m3	<0.84 U	<8 U
Bromoform	75-25-2	ug/m3	<2 U	<19 U
Bromomethane	74-83-9	ug/m3	<0.74 U	<7.1 U
Carbon Disulfide	75-15-0	ug/m3	<0.6 U	46 D
Carbon Tetrachloride	56-23-5	ug/m3	0.6 D	<2.9 U
Chlorobenzene	108-90-7	ug/m3	<0.88 U	<8.5 U
Chloroethane	75-00-3	ug/m3	<0.5 U	<4.9 U
Chloroform	67-66-3	ug/m3	<0.93 U	17 D
Chloromethane	74-87-3	ug/m3	1.4 J	<3.8 UJ
Cis-1,2-Dichloroethene	156-59-2	ug/m3	<0.19 U	<1.8 U
Cis-1,3-Dichloropropene	10061-01-5	ug/m3	<0.87 U	<8.3 U
Cyclohexane	110-82-7	ug/m3	<0.66 U	<6.3 U
Dibromochloromethane	124-48-1	ug/m3	<1.6 U	<16 U
Dichlorodifluoromethane	75-71-8	ug/m3	2.8 D	<9.1 U
Ethyl Acetate	141-78-6	ug/m3	<1.4 U	<13 U
Ethylbenzene	100-41-4	ug/m3	<0.83 U	8 D
Hexachlorobutadiene	87-68-3	ug/m3	<2 U	<20 U
Isopropanol	67-63-0	ug/m3	19 J	<9 U
M,P-Xylene	179601-23-1	ug/m3	<1.7 U	22 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/m3	0.85 D	7.1 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/m3	<0.78 U	<7.5 U
Methyl Methacrylate	80-62-6	ug/m3	<0.78 U	<7.5 U
Methylene Chloride	75-09-2	ug/m3	<1.3 U	<13 U
Naphthalene	91-20-3	ug/m3	<2 U	<19 U
n-Heptane	142-82-5	ug/m3	<0.78 U	12 D
n-Hexane	110-54-3	ug/m3	<0.67 U	<6.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/m3	<0.83 U	8 D
Propylene	115-07-1	ug/m3	<0.33 U	30 D
Styrene	100-42-5	ug/m3	<0.81 U	<7.8 U
Tert-Butyl Methyl Ether	1634-04-4	ug/m3	<0.69 U	<6.6 U
Tetrachloroethene (PCE)	127-18-4	ug/m3	<1.3 U	4,400 D
Tetrahydrofuran	109-99-9	ug/m3	<1.1 U	<11 U
Toluene	108-88-3	ug/m3	2.2 D	6.9 D
Total Xylenes	1330-20-7	ug/m3	<2.5 U	30 D
Trans-1,2-Dichloroethene	156-60-5	ug/m3	<0.76 U	<7.3 U
Trans-1,3-Dichloropropene	10061-02-6	ug/m3	<0.87 U	<8.3 U
Trichloroethene (TCE)	79-01-6	ug/m3	<0.26 U	16 D
Trichlorofluoromethane	75-69-4	ug/m3	1.5 D	70 D
Vinyl Acetate	108-05-4	ug/m3	<0.67 U	<6.5 U
Vinyl Chloride	75-01-4	ug/m3	<0.24 UJ	<2.4 UJ
Total BTEX	BTEX	ug/m3	2.93	50.8
Total VOCs	TOTALVOCS	ug/m3	35.38	4658.9

Table 6
Remedial Investigation Report
Soil Vapor Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Qualifiers:

D - The concentration reported is a result of a diluted 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 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
Co-located Soil Vapor and Indoor Air Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Analyte	CAS Number	NYSDOH AGVs	Location	PH1_AA01	PH1_IA22_SV22		PH1_IA25_SV25	
			Sample Name	PH1_AA01_030824	PH1_IA22_030824	PH1_SV22_030824	PH1_IA25_030824	PH1_SV25_030824
			Sample Date	03/08/2024	03/08/2024	03/08/2024	03/08/2024	03/08/2024
			Sample Type	AA	IA	SSV	IA	SSV
			Unit	Result	Result	Result	Result	Result
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<0.67 U	<0.69 U	<1.4 U	<0.78 U	<1.5 U
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.53 U	<0.55 U	<1.1 U	<0.62 U	<1.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<0.67 U	<0.69 U	<1.4 U	<0.78 U	<1.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<0.75 U	<0.77 U	<1.6 U	<0.87 U	<1.7 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.53 U	<0.55 U	<1.1 U	<0.62 U	<1.2 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.39 U	<0.41 U	<0.83 U	<0.46 U	<0.88 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.097 U	<0.099 U	<0.2 U	<0.11 U	<0.21 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<0.72 U	<0.74 U	<1.5 U	<0.84 U	<1.6 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	0.77 D	0.64 D	<1 U	0.78 D	<1.1 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<0.75 U	<0.77 U	<1.6 U	<0.87 U	<1.7 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<0.59 U	<0.6 U	<1.2 U	<0.68 U	<1.3 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.39 U	<0.41 U	<0.83 U	<0.46 U	<0.88 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.45 U	<0.46 U	<0.94 U	<0.52 U	<1 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<0.68 U	<0.7 U	<1.4 U	<0.79 U	<1.5 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.48 U	<0.49 U	<1 U	<0.56 U	<1.1 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.65 U	<0.67 U	<1.4 U	<0.75 U	<1.4 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<0.59 U	<0.6 U	<1.2 U	<0.68 U	<1.3 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.45 U	<0.46 U	<0.94 U	<0.52 U	<1 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<0.59 U	0.6 D	<1.2 U	270 D	<1.3 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.7 U	<0.72 U	<1.5 U	<0.81 U	<1.6 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.8 U	<0.82 U	<1.7 U	<0.92 U	<1.8 U
4-Ethyltoluene	622-96-8	NS	ug/m3	0.72 D	0.59 D	<1 U	0.61 D	<1.1 U
Acetone	67-64-1	NS	ug/m3	6.1 D	7 D	1.7 D	34 D	3.9 D
Acrylonitrile	107-13-1	NS	ug/m3	<0.21 UJ	<0.22 UJ	<0.44 UJ	<0.25 UJ	<0.47 UJ
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<1.5 U	<1.6 U	<3.2 U	<1.8 U	<3.4 U
Benzene	71-43-2	NS	ug/m3	1.7 D	1.5 D	<0.65 U	1.4 D	1 D
Benzyl Chloride	100-44-7	NS	ug/m3	<0.5 U	<0.52 U	<1.1 U	<0.58 U	<1.1 U
Bromodichloromethane	75-27-4	NS	ug/m3	<0.65 U	<0.67 U	<1.4 U	<0.76 U	<1.4 U
Bromoethene	593-60-2	NS	ug/m3	<0.43 U	<0.44 U	<0.89 U	<0.49 U	<0.95 U
Bromoform	75-25-2	NS	ug/m3	<1 U	<1 U	<2.1 U	<1.2 U	<2.2 U
Bromomethane	74-83-9	NS	ug/m3	<0.38 U	<0.39 U	<0.79 U	<0.44 U	<0.84 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.3 U	<0.31 U	<0.63 U	<0.35 U	<0.67 U
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.49 D	0.5 D	<0.32 U	0.5 D	0.68 D
Chlorobenzene	108-90-7	NS	ug/m3	<0.45 U	<0.46 U	<0.94 U	<0.52 U	<1 U
Chloroethane	75-00-3	NS	ug/m3	<0.26 U	<0.26 U	<0.54 U	<0.3 U	<0.57 U
Chloroform	67-66-3	NS	ug/m3	<0.48 U	0.54 D	1.7 D	4.6 D	<1.1 U
Chloromethane	74-87-3	NS	ug/m3	1.2 J	1.2 J	<0.42 UJ	1.6 J	2.1 J
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.097 U	0.24 D	<0.2 U	0.13 D	<0.21 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.44 U	<0.45 U	<0.93 U	<0.51 U	<0.98 U
Cyclohexane	110-82-7	NS	ug/m3	0.47 D	0.41 D	<0.7 U	0.39 D	<0.74 U
Dibromochloromethane	124-48-1	NS	ug/m3	<0.83 U	<0.85 U	<1.7 U	<0.96 U	<1.8 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.5 D	2.6 D	3.1 D	2.4 D	3.5 D
Ethyl Acetate	141-78-6	NS	ug/m3	<0.7 U	<0.72 U	<1.5 U	1.5 D	<1.6 U
Ethylbenzene	100-41-4	NS	ug/m3	0.68 D	0.61 D	<0.89 U	0.54 D	<0.94 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<1 U	<1.1 U	<2.2 U	<1.2 U	<2.3 U
Isopropanol	67-63-0	NS	ug/m3	2.7 J	2.6 J	<1 U	<0.56 U	2.3 J
M,P-Xylene	179601-23-1	NS	ug/m3	2.3 D	2 D	<1.8 U	1.7 D	<1.9 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	0.86 D	0.98 D	<0.6 U	1.1 D	0.77 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<0.4 U	<0.41 U	<0.84 U	<0.46 U	<0.89 U
Methyl Methacrylate	80-62-6	NS	ug/m3	0.44 D	<0.41 U	<0.83 U	<0.46 U	<0.89 U
Methylene Chloride	75-09-2	60	ug/m3	1.1 D	0.84 D	<1.4 U	0.94 D	<1.5 U
Naphthalene	91-20-3	NS	ug/m3	<1 U	<1.1 U	<2.1 U	<1.2 U	<2.3 U
n-Heptane	142-82-5	NS	ug/m3	0.92 D	0.9 D	<0.84 U	0.93 D	<0.89 U
n-Hexane	110-54-3	NS	ug/m3	1.2 D	1.1 D	<0.72 U	0.76 D	<0.76 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	0.89 D	0.74 D	<0.89 U	0.64 D	<0.94 U
Propylene	115-07-1	NS	ug/m3	1.6 D	1.5 D	<0.35 U	1.8 D	0.89 D
Styrene	100-42-5	NS	ug/m3	<0.41 U	<0.43 U	<0.87 U	<0.48 U	<0.92 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.35 U	<0.36 U	<0.74 U	<0.41 U	<0.78 U
Tetrachloroethene (PCE)	127-18-4	**30**	ug/m3	0.73 D	<0.68 U	4.7 D	**79 D**	<1.5 U
Tetrahydrofuran	109-99-9	NS	ug/m3	<0.57 U	<0.59 U	<1.2 U	<0.67 U	<1.3 U
Toluene	108-88-3	NS	ug/m3	3.7 D	3.2 D	<0.77 U	3.1 D	2.9 D
Total Xylenes	1330-20-7	NS	ug/m3	3.2 D	2.7 D	<2.7 U	2.4 D	<2.8 U
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.39 U	<0.4 U	<0.81 U	<0.45 U	<0.86 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.44 U	<0.45 U	<0.93 U	<0.51 U	<0.98 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.13 U	<0.13 U	<0.27 U	<0.15 U	<0.29 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.3 D	1.5 D	2.6 D	1.5 D	1.8 D
Vinyl Acetate	108-05-4	NS	ug/m3	<0.34 U	<0.35 U	<0.72 U	<0.4 U	<0.76 U
Vinyl Chloride	75-01-4	NS	ug/m3	<0.12 UJ	<0.13 UJ	<0.26 UJ	<0.14 UJ	<0.28 UJ
Total BTEX	BTEX	NS	ug/m3	9.27	8.05	ND	7.38	3.9
Total VOCs	TOTALVOCS	NS	ug/m3	32.37	31.79	13.8	409.92	19.84

Table 7
Remedial Investigation Report
Co-located Soil Vapor and Indoor Air Sample Analytical Results

691 Lenox Avenue - Phase 1
New York, New York
NYSDEC BCP Site No.: C231145
Langan Project No.: 170635403

Notes:

AA - Ambient Air
IA - Indoor Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through to 2017).
Ambient air sample analytical results are shown for reference only.

Qualifiers:

D - The concentration reported is a result of a diluted 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 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.

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

APPENDIX A

PREVIOUS ENVIRONMENTAL REPORTS

Included under separate cover at the following link:
https://clients.langan.com/Sharing/filesharing/ViewPosted?transactionHash=1786264630

APPENDIX B

DAILY FIELD REPORTS

DAILY FIELD REPORT 01

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	February 6, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	7:30 am to 12:30 am
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: NOVA Geophysical Services (NOVA)			

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan is conducting a Remedial Investigation (RI) for the 691 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of on-site environmental impacts and to provide additional information to evaluate remedial actions, as required. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- NOVA completed a geophysical survey across the site to mark out geophysical anomalies prior to the start of the investigation.
    - NOVA confirmed a 3 foot clearance from any subsurface utilities at 18 sample locations.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

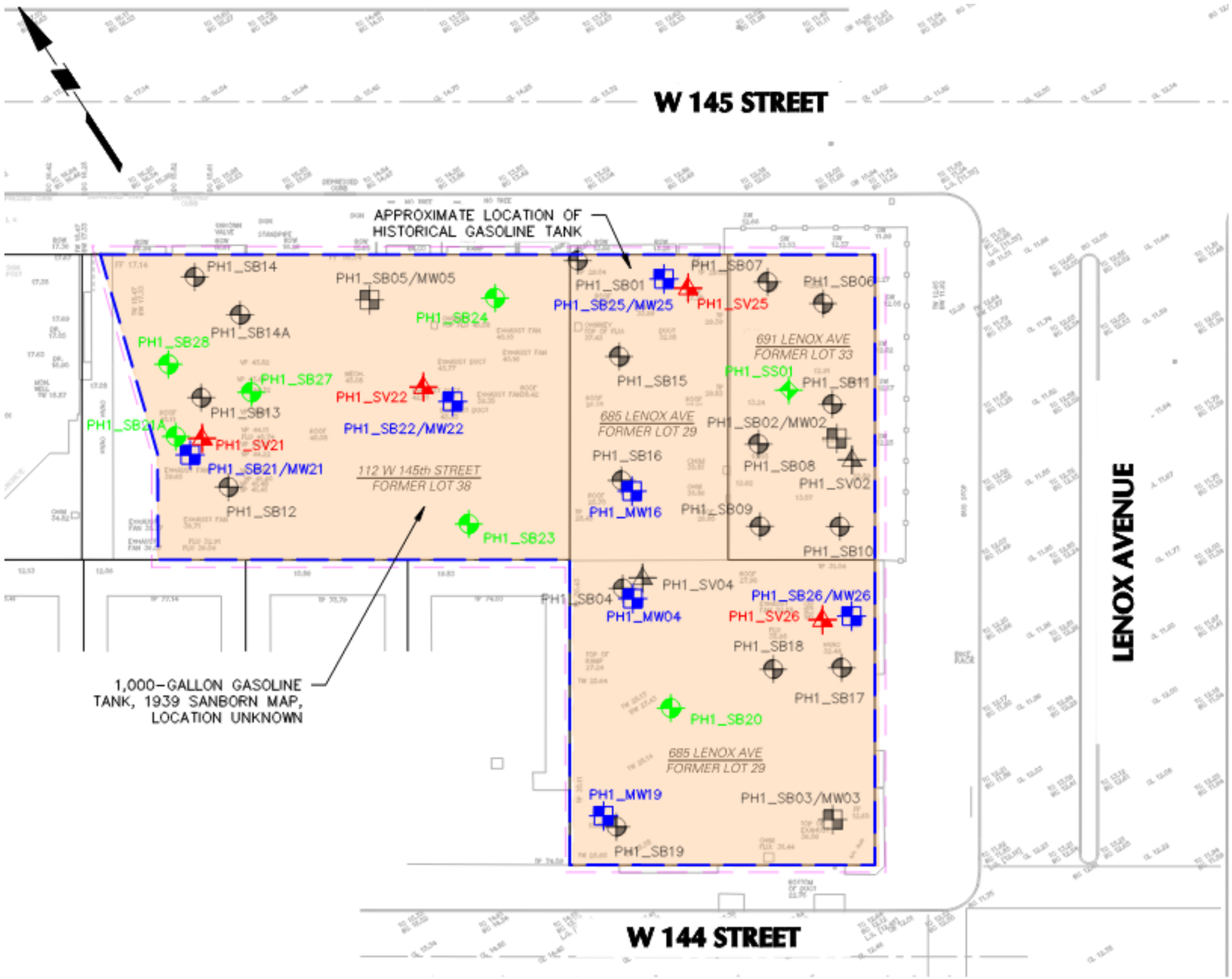
Air Monitoring:

- The Community Air Monitoring Program (CAMP) was not implemented due to an absence of soil handling or ground intrusive work. Langan visually monitored the site during work activities and did not observe dust migrating from the site.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN

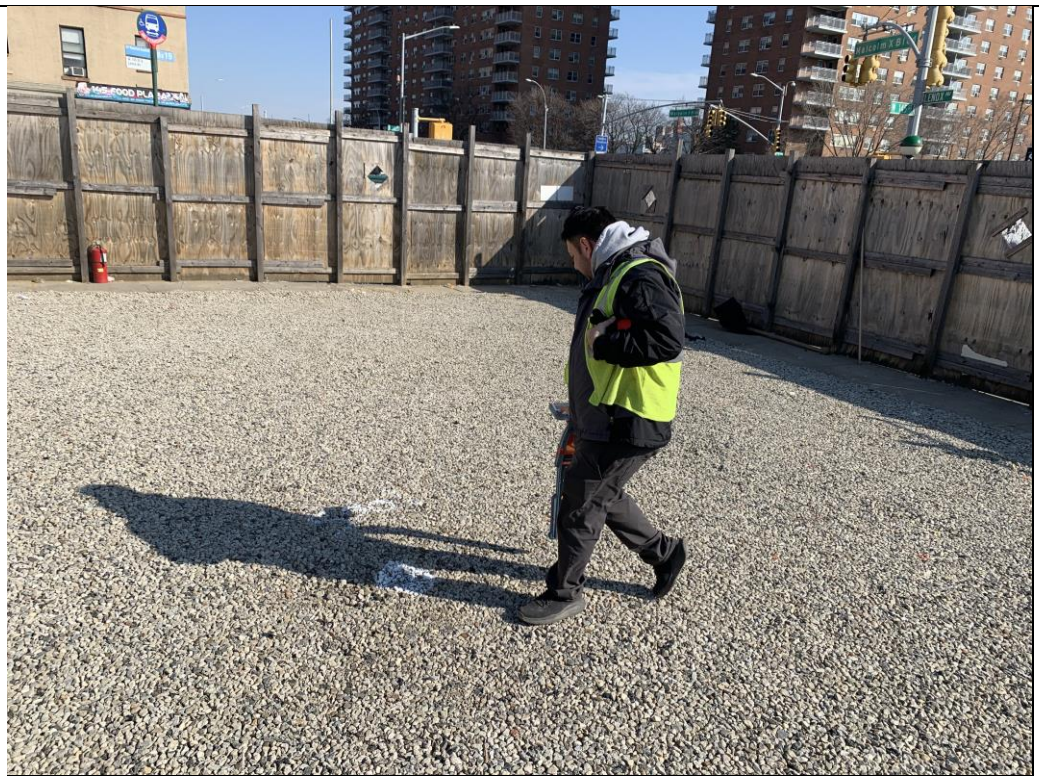


LEGEND

Approximate Site Boundary

Approximate Former Tax lot Boundary

Photo Log

Photo 1: View of NOVA marking out subsurface utilities (facing northeast)	
Photo 2: View of NOVA marking out subsurface utilities (facing northeast)	

File Name: 2023-02-06 Daily Field Report_01

DAILY FIELD REPORT 02

Prepared By: LANGAN

WEATHER	Snow	**X**	Rain		Overcast		Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 14, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	12:00 pm to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: NOVA Geophysical Services (NOVA)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil boring with a Geoprobe® 6610DT drill rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH2_SB27 was completed to 32 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB27_1-2
  - PH1_SB27_2-3
  - PH2_SB27_3-4
  - PH2_SB27_4-5
- The samples will be analyzed for total lead and toxicity characteristic leaching procedure (TCLP) lead by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

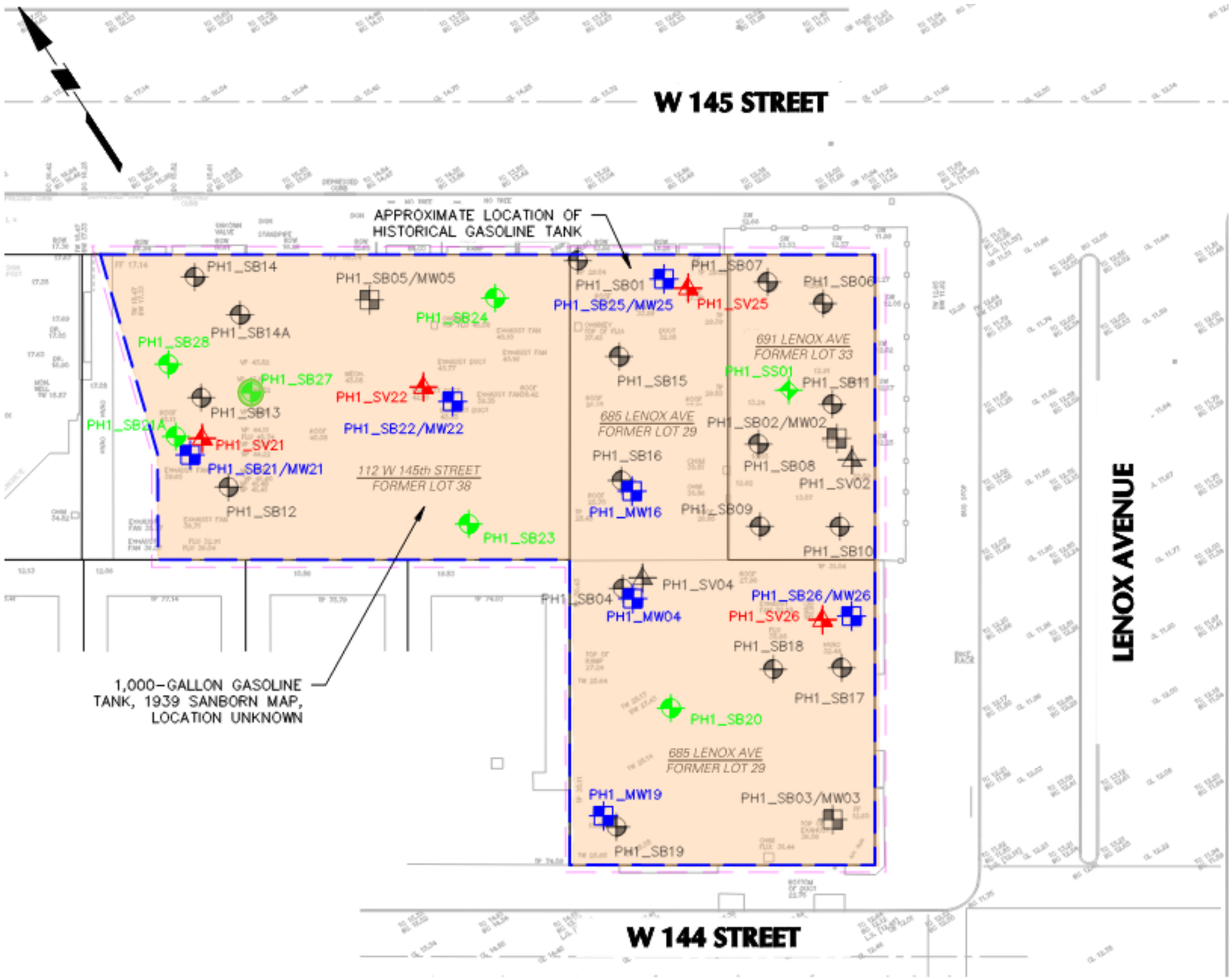
Air Monitoring:

- Langan Community air monitoring was not implemented because of rain. No dust or odors were observed.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**

File Name: 2023-03-14 Daily Field Report_02

Photo Log

Photo 1: General view of the site (facing west)	
Photo 2: View of Lakewood setting up to advance soil boring PH2_SB27 (facing northeast)	

File Name: 2023-03-14 Daily Field Report_02

DAILY FIELD REPORT 03

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 15, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	12:00 pm to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil boring with a Geoprobe® 6610DT and AMS 9100 drilling rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH1_SB22 was completed to 32 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.
- Lakewood converted soil boring PH1_SB22 into a 1-inch monitoring well PH1_MW22 by advancing 3.5-inch outer diameter by 5-foot-long macrocores to 23 feet bgs. The well was installed to about 23 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 13 to 23 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 11 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB22_6-8
  - PH1_SB22_14-16
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

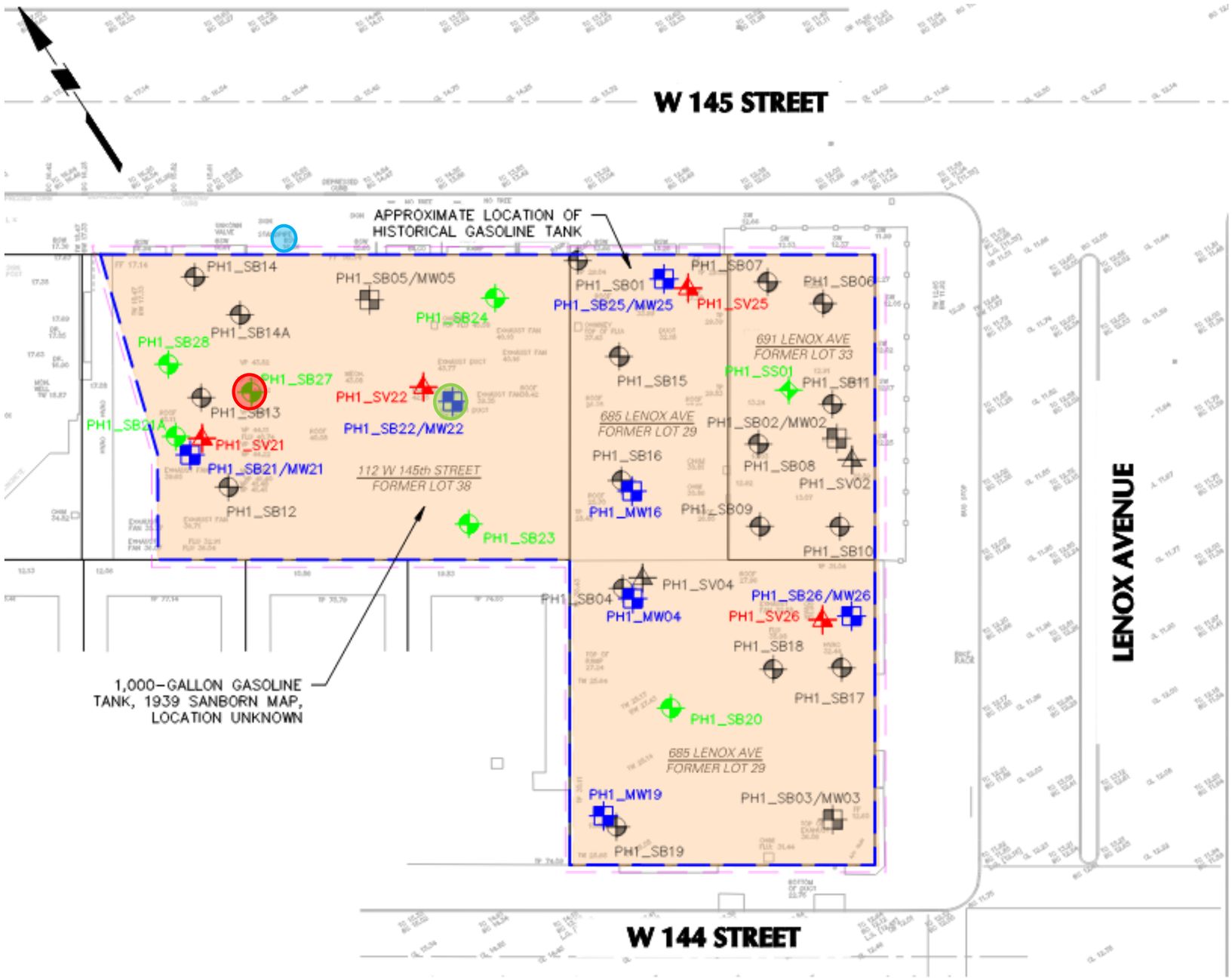
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**

File Name: 2023-03-15 Daily Field Report_03

Photo Log

Photo 1: View of Lakewood advancing soil boring PH1_SB22 (facing north)	
Photo 2: View of recovered soil from soil boring PH1_SB22	

File Name: 2023-03-15 Daily Field Report_03

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/15/2023
Start: 11:35
End: 15:09
Observer: Jack Frey

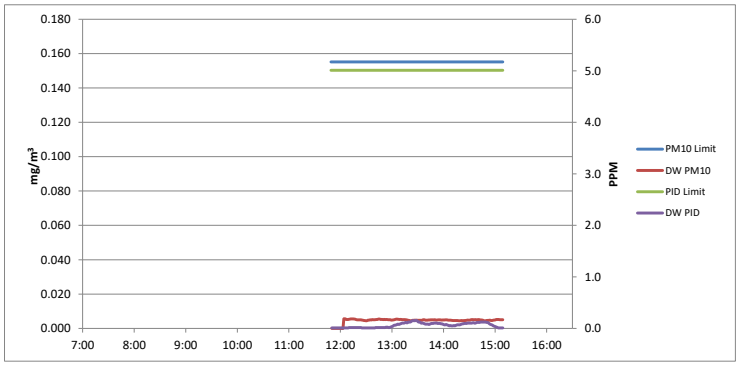
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0052	0.0045
Maximum 15min Average	0.0052	0.0056
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0050	0.0040
Maximum 1min Reading	0.0060	0.0100

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.052
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.1467
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.200

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						186
170635401						11:35
End Time:						15:09
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:35	0.005		11:35			
11:36	0.005		11:36			
11:37	0.006		11:37			
11:38	0.005		11:38			
11:39	0.005		11:39			
11:40	0.005		11:40			
11:41	0.006		11:41			
11:42	0.005		11:42			
11:43	0.005		11:43			
11:44	0.005		11:44			
11:45	0.005		11:45			
11:46	0.005		11:46			
11:47	0.006		11:47			
11:48	0.005		11:48			
11:49	0.005	0.005	11:49			
11:50		0.005	11:50	0.006	-	
11:51	-	0.005	11:51	0.005	-	
11:52	-	0.005	11:52	0.01	-	
11:53	-	0.005	11:53	0.005	-	
11:54	-	0.005	11:54	0.005	-	
11:55	-	0.005	11:55	0.005	-	
11:56	-	0.005	11:56	0.005	-	
11:57	-	0.005	11:57	0.004	-	
11:58	-	0.005	11:58	0.005	-	
11:59	-	0.005	11:59	0.005	-	
12:00	-	0.005	12:00	0.005	-	
12:01	-	0.005	12:01	0.006	-	
12:02	-	0.005	12:02	0.005	-	
12:03	-	0.005	12:03	0.007	-	
12:04	-	0.005	12:04	0.006	0.006	-
12:05	-	0.005	12:05	0.005	0.006	-
12:06	-	0.005	12:06	0.005	0.006	-
12:07	-	0.005	12:07	0.005	0.005	-
12:08	-	0.005	12:08	0.005	0.005	-
12:09	-	0.005	12:09	0.005	0.005	-
12:10	-	0.005	12:10	0.007	0.005	-
12:11	-	0.005	12:11	0.006	0.005	-
12:12	-	0.005	12:12	0.006	0.006	-
12:13	-	0.005	12:13	0.005	0.006	-
12:14	-	0.005	12:14	0.005	0.006	-
12:15	-	0.005	12:15	0.005	0.006	-
12:16	-	0.005	12:16	0.005	0.005	-
12:17	-	0.005	12:17	0.004	0.005	-
12:18	-	0.005	12:18	0.004	0.005	-
12:19	-	0.005	12:19	0.004	0.005	-
12:20	-	0.005	12:20	0.004	0.005	-
12:21	-	0.005	12:21	0.005	0.005	-
12:22	-	0.005	12:22	0.005	0.005	-
12:23	-	0.005	12:23	0.005	0.005	-
12:24	-	0.005	12:24	0.005	0.005	-
12:25	-	0.005	12:25	0.005	0.005	-
12:26	-	0.005	12:26	0.005	0.005	-
12:27	-	0.005	12:27	0.004	0.005	-
12:28	-	0.005	12:28	0.004	0.005	-
12:29	-	0.005	12:29	0.004	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
12:30	-	0.005	12:30	0.004	0.004	-
12:31	-	0.005	12:31	0.006	0.005	-
12:32	-	0.005	12:32	0.008	0.005	-
12:33	-	0.005	12:33	0.004	0.005	-
12:34	-	0.005	12:34	0.006	0.005	-
12:35	-	0.005	12:35	0.005	0.005	-
12:36	-	0.005	12:36	0.004	0.005	-
12:37	-	0.005	12:37	0.008	0.005	-
12:38	-	0.005	12:38	0.004	0.005	-
12:39	-	0.005	12:39	0.005	0.005	-
12:40	-	0.005	12:40	0.005	0.005	-
12:41	-	0.005	12:41	0.006	0.005	-
12:42	-	0.005	12:42	0.005	0.005	-
12:43	-	0.005	12:43	0.004	0.005	-
12:44	-	0.005	12:44	0.007	0.005	-
12:45	-	0.005	12:45	0.005	0.005	-
12:46	-	0.005	12:46	0.005	0.005	-
12:47	-	0.005	12:47	0.005	0.005	-
12:48	-	0.005	12:48	0.005	0.005	-
12:49	-	0.005	12:49	0.005	0.005	-
12:50	-	0.005	12:50	0.004	0.005	-
12:51	-	0.005	12:51	0.006	0.005	-
12:52	-	0.005	12:52	0.006	0.005	-
12:53	-	0.005	12:53	0.005	0.005	-
12:54	-	0.005	12:54	0.005	0.005	-
12:55	-	0.005	12:55	0.004	0.005	-
12:56	-	0.005	12:56	0.005	0.005	-
12:57	-	0.005	12:57	0.005	0.005	-
12:58	-	0.005	12:58	0.004	0.005	-
12:59	-	0.005	12:59	0.004	0.005	-
13:00	-	0.005	13:00	0.005	0.005	-
13:01	-	0.005	13:01	0.006	0.005	-
13:02	-	0.005	13:02	0.006	0.005	-
13:03	-	0.005	13:03	0.007	0.005	-
13:04	-	0.005	13:04	0.007	0.005	-
13:05	-	0.005	13:05	0.006	0.005	-
13:06	-	0.005	13:06	0.006	0.005	-
13:07	-	0.005	13:07	0.005	0.005	-
13:08	-	0.005	13:08	0.004	0.005	-
13:09	-	0.005	13:09	0.004	0.005	-
13:10	-	0.005	13:10	0.005	0.005	-
13:11	-	0.005	13:11	0.004	0.005	-
13:12	-	0.005	13:12	0.004	0.005	-
13:13	-	0.005	13:13	0.004	0.005	-
13:14	-	0.005	13:14	0.004	0.005	-
13:15	-	0.005	13:15	0.005	0.005	-
13:16	-	0.005	13:16	0.005	0.005	-
13:17	-	0.005	13:17	0.005	0.005	-
13:18	-	0.005	13:18	0.005	0.005	-
13:19	-	0.005	13:19	0.005	0.005	-
13:20	-	0.005	13:20	0.005	0.005	-
13:21	-	0.005	13:21	0.004	0.005	-
13:22	-	0.005	13:22	0.004	0.004	-
13:23	-	0.005	13:23	0.005	0.005	-
13:24	-	0.005	13:24	0.007	0.005	-
13:25	-	0.005	13:25	0.005	0.005	-
13:26	-	0.005	13:26	0.005	0.005	-
13:27	-	0.005	13:27	0.004	0.005	-
13:28	-	0.005	13:28	0.004	0.005	-
13:29	-	0.005	13:29	0.004	0.005	-
13:30	-	0.005	13:30	0.004	0.005	-
13:31	-	0.005	13:31	0.005	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
13:32	-	0.005	13:32	0.005	0.005	-
13:33	-	0.005	13:33	0.005	0.005	-
13:34	-	0.005	13:34	0.005	0.005	-
13:35	-	0.005	13:35	0.005	0.005	-
13:36	-	0.005	13:36	0.008	0.005	-
13:37	-	0.005	13:37	0.005	0.005	-
13:38	-	0.005	13:38	0.004	0.005	-
13:39	-	0.005	13:39	0.004	0.005	-
13:40	-	0.005	13:40	0.005	0.005	-
13:41	-	0.005	13:41	0.005	0.005	-
13:42	-	0.005	13:42	0.005	0.005	-
13:43	-	0.005	13:43	0.005	0.005	-
13:44	-	0.005	13:44	0.004	0.005	-
13:45	-	0.005	13:45	0.005	0.005	-
13:46	-	0.005	13:46	0.005	0.005	-
13:47	-	0.005	13:47	0.005	0.005	-
13:48	-	0.005	13:48	0.005	0.005	-
13:49	-	0.005	13:49	0.005	0.005	-
13:50	-	0.005	13:50	0.006	0.005	-
13:51	-	0.005	13:51	0.005	0.005	-
13:52	-	0.005	13:52	0.005	0.005	-
13:53	-	0.005	13:53	0.005	0.005	-
13:54	-	0.005	13:54	0.005	0.005	-
13:55	-	0.005	13:55	0.005	0.005	-
13:56	-	0.005	13:56	0.005	0.005	-
13:57	-	0.005	13:57	0.004	0.005	-
13:58	-	0.005	13:58	0.004	0.005	-
13:59	-	0.005	13:59	0.005	0.005	-
14:00	-	0.005	14:00	0.005	0.005	-
14:01	-	0.005	14:01	0.005	0.005	-
14:02	-	0.005	14:02	0.006	0.005	-
14:03	-	0.005	14:03	0.005	0.005	-
14:04	-	0.005	14:04	0.005	0.005	-
14:05	-	0.005	14:05	0.004	0.005	-
14:06	-	0.005	14:06	0.004	0.005	-
14:07	-	0.005	14:07	0.005	0.005	-
14:08	-	0.005	14:08	0.005	0.005	-
14:09	-	0.005	14:09	0.004	0.005	-
14:10	-	0.005	14:10	0.004	0.005	-
14:11	-	0.005	14:11	0.004	0.005	-
14:12	-	0.005	14:12	0.004	0.005	-
14:13	-	0.005	14:13	0.004	0.005	-
14:14	-	0.005	14:14	0.005	0.005	-
14:15	-	0.005	14:15	0.005	0.005	-
14:16	-	0.005	14:16	0.005	0.005	-
14:17	-	0.005	14:17	0.005	0.005	-
14:18	-	0.005	14:18	0.004	0.004	-
14:19	-	0.005	14:19	0.005	0.004	-
14:20	-	0.005	14:20	0.005	0.005	-
14:21	-	0.005	14:21	0.005	0.005	-
14:22	-	0.005	14:22	0.004	0.005	-
14:23	-	0.005	14:23	0.005	0.005	-
14:24	-	0.005	14:24	0.005	0.005	-
14:25	-	0.005	14:25	0.004	0.005	-
14:26	-	0.005	14:26	0.005	0.005	-
14:27	-	0.005	14:27	0.005	0.005	-
14:28	-	0.005	14:28	0.006	0.005	-
14:29	-	0.005	14:29	0.004	0.005	-
14:30	-	0.005	14:30	0.005	0.005	-
14:31	-	0.005	14:31	0.006	0.005	-
14:32	-	0.005	14:32	0.008	0.005	-
14:33	-	0.005	14:33	0.005	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
14:34	-	0.005	14:34	0.005	0.005	-
14:35	-	0.005	14:35	0.004	0.005	-
14:36	-	0.005	14:36	0.005	0.005	-
14:37	-	0.005	14:37	0.005	0.005	-
14:38	-	0.005	14:38	0.004	0.005	-
14:39	-	0.005	14:39	0.004	0.005	-
14:40	-	0.005	14:40	0.006	0.005	-
14:41	-	0.005	14:41	0.005	0.005	-
14:42	-	0.005	14:42	0.004	0.005	-
14:43	-	0.005	14:43	0.004	0.005	-
14:44	-	0.005	14:44	0.004	0.005	-
14:45	-	0.005	14:45	0.004	0.005	-
14:46	-	0.005	14:46	0.004	0.005	-
14:47	-	0.005	14:47	0.004	0.004	-
14:48	-	0.005	14:48	0.005	0.004	-
14:49	-	0.005	14:49	0.005	0.004	-
14:50	-	0.005	14:50	0.006	0.005	-
14:51	-	0.005	14:51	0.006	0.005	-
14:52	-	0.005	14:52	0.005	0.005	-
14:53	-	0.005	14:53	0.005	0.005	-
14:54	-	0.005	14:54	0.005	0.005	-
14:55	-	0.005	14:55	0.004	0.005	-
14:56	-	0.005	14:56	0.004	0.005	-
14:57	-	0.005	14:57	0.005	0.005	-
14:58	-	0.005	14:58	0.006	0.005	-
14:59	-	0.005	14:59	0.005	0.005	-
15:00	-	0.005	15:00	0.005	0.005	-
15:01	-	0.005	15:01	0.007	0.005	-
15:02	-	0.005	15:02	0.005	0.005	-
15:03	-	0.005	15:03	0.005	0.005	-
15:04	-	0.005	15:04	0.005	0.005	-
15:05	-	0.005	15:05	0.005	0.005	-
15:06	-	0.005	15:06	0.005	0.005	-
15:07	-	0.005	15:07	0.005	0.005	-
15:08	-	0.005	15:08	0.005	0.005	-
15:09	-	0.005	15:09	0.005	0.005	-

Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						200
170635401						11:35
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:35	0.0		11:35			
11:36	0.0		11:36			
11:37	0.0		11:37			
11:38	0.0		11:38			
11:39	0.0		11:39			
11:40	0.0		11:40			
11:41	0.0		11:41			
11:42	0.0		11:42			
11:43	0.0		11:43			
11:44	0.0		11:44			
11:45	0.0		11:45			
11:46	0.0		11:46			
11:47	0.0		11:47			
11:48	0.0		11:48			
11:49	0.0	0.0	11:49			
11:50	-	0.0	11:50	0.0	-	-
11:51	-	0.0	11:51	0.0	-	-
11:52	-	0.0	11:52	0.0	-	-
11:53	-	0.0	11:53	0.0	-	-
11:54	-	0.0	11:54	0.0	-	-
11:55	-	0.0	11:55	0.0	-	-
11:56	-	0.0	11:56	0.0	-	-
11:57	-	0.0	11:57	0.0	-	-
11:58	-	0.0	11:58	0.0	-	-
11:59	-	0.0	11:59	0.0	-	-
12:00	-	0.0	12:00	0.0	-	-
12:01	-	0.0	12:01	0.0	-	-
12:02	-	0.0	12:02	0.0	-	-
12:03	-	0.0	12:03	0.0	-	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.1	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-
12:19	-	0.0	12:19	0.0	0.0	-
12:20	-	0.0	12:20	0.0	0.0	-
12:21	-	0.0	12:21	0.0	0.0	-
12:22	-	0.0	12:22	0.0	0.0	-
12:23	-	0.0	12:23	0.0	0.0	-
12:24	-	0.0	12:24	0.0	0.0	-
12:25	-	0.0	12:25	0.0	0.0	-
12:26	-	0.0	12:26	0.0	0.0	-
12:27	-	0.0	12:27	0.0	0.0	-
12:28	-	0.0	12:28	0.0	0.0	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.1	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.1	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.1	0.0	-
12:59	-	0.0	12:59	0.1	0.0	-
13:00	-	0.0	13:00	0.1	0.0	-
13:01	-	0.0	13:01	0.1	0.0	-
13:02	-	0.0	13:02	0.2	0.0	-
13:03	-	0.0	13:03	0.1	0.1	-
13:04	-	0.0	13:04	0.0	0.1	-
13:05	-	0.0	13:05	0.1	0.1	-
13:06	-	0.0	13:06	0.1	0.1	-
13:07	-	0.0	13:07	0.1	0.1	-
13:08	-	0.0	13:08	0.0	0.1	-
13:09	-	0.0	13:09	0.1	0.1	-
13:10	-	0.0	13:10	0.1	0.1	-
13:11	-	0.0	13:11	0.1	0.1	-
13:12	-	0.0	13:12	0.1	0.1	-
13:13	-	0.0	13:13	0.1	0.1	-
13:14	-	0.0	13:14	0.1	0.1	-
13:15	-	0.0	13:15	0.2	0.1	-
13:16	-	0.0	13:16	0.2	0.1	-
13:17	-	0.0	13:17	0.1	0.1	-
13:18	-	0.0	13:18	0.1	0.1	-
13:19	-	0.0	13:19	0.2	0.1	-
13:20	-	0.0	13:20	0.1	0.1	-
13:21	-	0.0	13:21	0.1	0.1	-
13:22	-	0.0	13:22	0.2	0.1	-
13:23	-	0.0	13:23	0.2	0.1	-
13:24	-	0.0	13:24	0.2	0.1	-
13:25	-	0.0	13:25	0.1	0.1	-
13:26	-	0.0	13:26	0.1	0.1	-
13:27	-	0.0	13:27	0.1	0.1	-
13:28	-	0.0	13:28	0.2	0.1	-
13:29	-	0.0	13:29	0.0	0.1	-
13:30	-	0.0	13:30	0.0	0.1	-
13:31	-	0.0	13:31	0.0	0.1	-
13:32	-	0.0	13:32	0.1	0.1	-
13:33	-	0.0	13:33	0.0	0.1	-
13:34	-	0.0	13:34	0.0	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:35	-	0.0	13:35	0.1	0.1	-
13:36	-	0.0	13:36	0.1	0.1	-
13:37	-	0.0	13:37	0.1	0.1	-
13:38	-	0.0	13:38	0.1	0.1	-
13:39	-	0.0	13:39	0.1	0.1	-
13:40	-	0.0	13:40	0.1	0.1	-
13:41	-	0.0	13:41	0.1	0.1	-
13:42	-	0.0	13:42	0.1	0.1	-
13:43	-	0.0	13:43	0.1	0.1	-
13:44	-	0.0	13:44	0.1	0.1	-
13:45	-	0.0	13:45	0.1	0.1	-
13:46	-	0.0	13:46	0.1	0.1	-
13:47	-	0.0	13:47	0.1	0.1	-
13:48	-	0.0	13:48	0.0	0.1	-
13:49	-	0.0	13:49	0.1	0.1	-
13:50	-	0.0	13:50	0.1	0.1	-
13:51	-	0.0	13:51	0.1	0.1	-
13:52	-	0.0	13:52	0.1	0.1	-
13:53	-	0.0	13:53	0.0	0.1	-
13:54	-	0.0	13:54	0.1	0.1	-
13:55	-	0.0	13:55	0.1	0.1	-
13:56	-	0.0	13:56	0.1	0.1	-
13:57	-	0.0	13:57	0.0	0.1	-
13:58	-	0.0	13:58	0.1	0.1	-
13:59	-	0.0	13:59	0.0	0.1	-
14:00	-	0.0	14:00	0.0	0.1	-
14:01	-	0.0	14:01	0.0	0.1	-
14:02	-	0.0	14:02	0.1	0.1	-
14:03	-	0.0	14:03	0.1	0.1	-
14:04	-	0.0	14:04	0.0	0.1	-
14:05	-	0.0	14:05	0.0	0.1	-
14:06	-	0.0	14:06	0.0	0.0	-
14:07	-	0.0	14:07	0.0	0.0	-
14:08	-	0.0	14:08	0.1	0.0	-
14:09	-	0.0	14:09	0.0	0.0	-
14:10	-	0.0	14:10	0.1	0.0	-
14:11	-	0.0	14:11	0.1	0.0	-
14:12	-	0.0	14:12	0.1	0.0	-
14:13	-	0.0	14:13	0.0	0.0	-
14:14	-	0.0	14:14	0.1	0.0	-
14:15	-	0.0	14:15	0.1	0.1	-
14:16	-	0.0	14:16	0.1	0.1	-
14:17	-	0.0	14:17	0.1	0.1	-
14:18	-	0.0	14:18	0.1	0.1	-
14:19	-	0.0	14:19	0.0	0.1	-
14:20	-	0.0	14:20	0.1	0.1	-
14:21	-	0.0	14:21	0.1	0.1	-
14:22	-	0.0	14:22	0.1	0.1	-
14:23	-	0.0	14:23	0.1	0.1	-
14:24	-	0.0	14:24	0.1	0.1	-
14:25	-	0.0	14:25	0.1	0.1	-
14:26	-	0.0	14:26	0.1	0.1	-
14:27	-	0.0	14:27	0.1	0.1	-
14:28	-	0.0	14:28	0.1	0.1	-
14:29	-	0.0	14:29	0.1	0.1	-
14:30	-	0.0	14:30	0.1	0.1	-
14:31	-	0.0	14:31	0.1	0.1	-
14:32	-	0.0	14:32	0.1	0.1	-
14:33	-	0.0	14:33	0.1	0.1	-
14:34	-	0.0	14:34	0.1	0.1	-
14:35	-	0.0	14:35	0.1	0.1	-
14:36	-	0.0	14:36	0.0	0.1	-
14:37	-	0.0	14:37	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:38	-	0.0	14:38	0.2	0.1	-
14:39	-	0.0	14:39	0.2	0.1	-
14:40	-	0.0	14:40	0.1	0.1	-
14:41	-	0.0	14:41	0.1	0.1	-
14:42	-	0.0	14:42	0.1	0.1	-
14:43	-	0.0	14:43	0.2	0.1	-
14:44	-	0.0	14:44	0.1	0.1	-
14:45	-	0.0	14:45	0.1	0.1	-
14:46	-	0.0	14:46	0.1	0.1	-
14:47	-	0.0	14:47	0.1	0.1	-
14:48	-	0.0	14:48	0.1	0.1	-
14:49	-	0.0	14:49	0.1	0.1	-
14:50	-	0.0	14:50	0.0	0.1	-
14:51	-	0.0	14:51	0.0	0.1	-
14:52	-	0.0	14:52	0.0	0.1	-
14:53	-	0.0	14:53	0.0	0.1	-
14:54	-	0.0	14:54	0.0	0.1	-
14:55	-	0.0	14:55	0.0	0.1	-
14:56	-	0.0	14:56	0.0	0.1	-
14:57	-	0.0	14:57	0.0	0.1	-
14:58	-	0.0	14:58	0.0	0.0	-
14:59	-	0.0	14:59	0.0	0.0	-
15:00	-	0.0	15:00	0.0	0.0	-
15:01	-	0.0	15:01	0.0	0.0	-
15:02	-	0.0	15:02	0.0	0.0	-
15:03	-	0.0	15:03	0.0	0.0	-
15:04	-	0.0	15:04	0.0	0.0	-
15:05	-	0.0	15:05	0.0	0.0	-
15:06	-	0.0	15:06	0.0	0.0	-
15:07	-	0.0	15:07	0.0	0.0	-
15:08	-	0.0	15:08	0.0	0.0	-
15:09	-	0.0	15:09	0.0	0.0	-

DAILY FIELD REPORT 04

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 16, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	12:00 pm to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil borings with a AMS 9100 drilling rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH2_SB23 was completed to 30 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.
    - Soil boring PH2_SB21 was completed to 30 feet bgs. Soil recovered did not exhibit signs of impacts.
- Lakewood converted soil boring PH1_SB21 into a 1-inch monitoring well PH1_MW22 by advancing 2-inch outer diameter by 5-foot-long macrocores to 24 feet bgs. The well was installed to about 24 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 14 to 24 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 12 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.
- Lakewood installed soil vapor probe PH1_SV22 by advancing 2-inch-diameter by 4-foot-long macrocores to 10 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 9.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 8 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 2-foot thick bentonite seal at surface grade. The vapor probe will be sampled at a future date pending access to all the soil vapor sampling locations from the tenant/operator.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_SB23_0-2
    - PH1_SB23_4-6
    - PH1_SB23_14-16
    - PH1_SB21_6-8
    - PH1_SB21_16-18
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

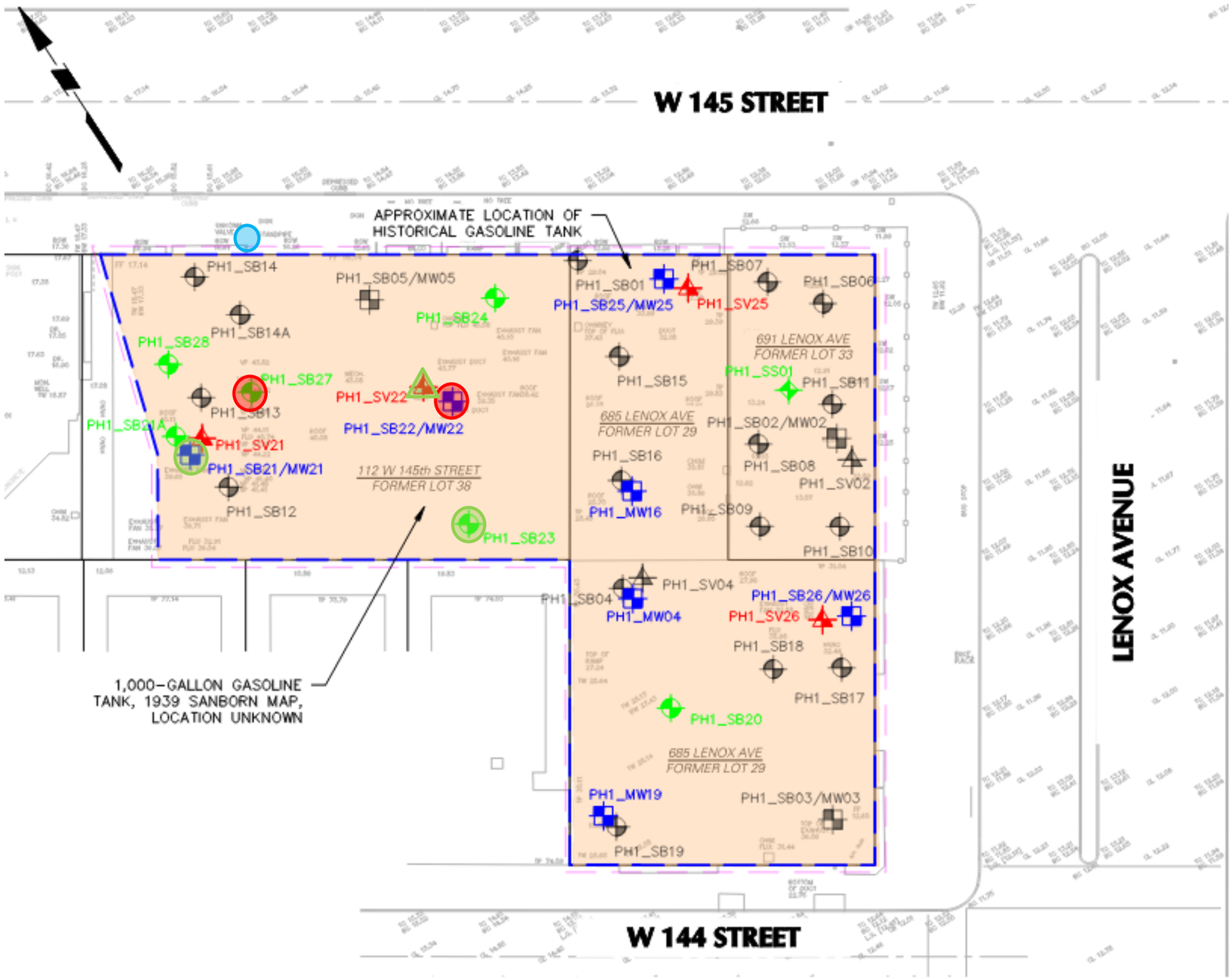
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).
    - Due to a technical issue, PM10 data was not collected. No dust or odor was apparent on-site throughout the day.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-03-16 Daily Field Report_04

Photo Log

Photo 1: View of Lakewood advancing soil boring PH1_SB21 (facing south)	
Photo 2: View of recovered soil from soil boring PH1_SB23	

File Name: 2023-03-16 Daily Field Report_04

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/16/2023
Start: 12:00
End: 14:04
Observer: Jack Frey

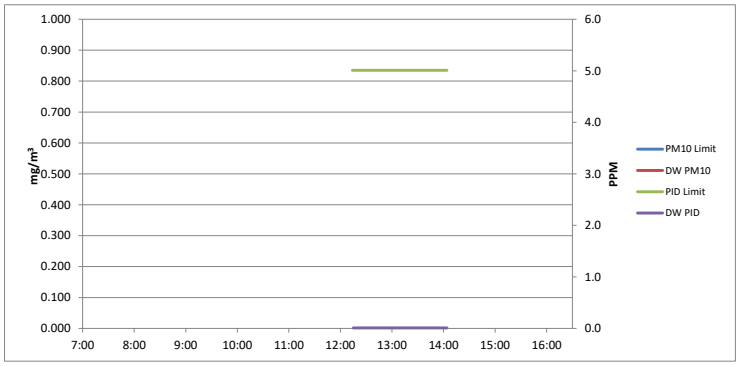
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0000	0.0000
Maximum 1min Reading	0.0000	0.0000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.000
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						110
170635401						12:00
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:00	0.0		12:00			
12:01	0.0		12:01			
12:02	0.0		12:02			
12:03	0.0		12:03			
12:04	0.0		12:04			
12:05	0.0		12:05			
12:06	0.0		12:06			
12:07	0.0		12:07			
12:08	0.0		12:08			
12:09	0.0		12:09			
12:10	0.0		12:10			
12:11	0.0		12:11			
12:12	0.0		12:12			
12:13	0.0		12:13			
12:14	0.0	0.0	12:14			
12:15	-	0.0	12:15	0.0	-	-
12:16	-	0.0	12:16	0.0	-	-
12:17	-	0.0	12:17	0.0	-	-
12:18	-	0.0	12:18	0.0	-	-
12:19	-	0.0	12:19	0.0	-	-
12:20	-	0.0	12:20	0.0	-	-
12:21	-	0.0	12:21	0.0	-	-
12:22	-	0.0	12:22	0.0	-	-
12:23	-	0.0	12:23	0.0	-	-
12:24	-	0.0	12:24	0.0	-	-
12:25	-	0.0	12:25	0.0	-	-
12:26	-	0.0	12:26	0.0	-	-
12:27	-	0.0	12:27	0.0	-	-
12:28	-	0.0	12:28	0.0	-	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.0	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.0	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.0	0.0	-
12:59	-	0.0	12:59	0.0	0.0	-
13:00	-	0.0	13:00	0.0	0.0	-
13:01	-	0.0	13:01	0.0	0.0	-
13:02	-	0.0	13:02	0.0	0.0	-
13:03	-	0.0	13:03	0.0	0.0	-
13:04	-	0.0	13:04	0.0	0.0	-
13:05	-	0.0	13:05	0.0	0.0	-
13:06	-	0.0	13:06	0.0	0.0	-
13:07	-	0.0	13:07	0.0	0.0	-
13:08	-	0.0	13:08	0.0	0.0	-
13:09	-	0.0	13:09	0.0	0.0	-
13:10	-	0.0	13:10	0.0	0.0	-
13:11	-	0.0	13:11	0.0	0.0	-
13:12	-	0.0	13:12	0.0	0.0	-
13:13	-	0.0	13:13	0.0	0.0	-
13:14	-	0.0	13:14	0.0	0.0	-
13:15	-	0.0	13:15	0.0	0.0	-
13:16	-	0.0	13:16	0.0	0.0	-
13:17	-	0.0	13:17	0.0	0.0	-
13:18	-	0.0	13:18	0.0	0.0	-
13:19	-	0.0	13:19	0.0	0.0	-
13:20	-	0.0	13:20	0.0	0.0	-
13:21	-	0.0	13:21	0.0	0.0	-
13:22	-	0.0	13:22	0.0	0.0	-
13:23	-	0.0	13:23	0.0	0.0	-
13:24	-	0.0	13:24	0.0	0.0	-
13:25	-	0.0	13:25	0.0	0.0	-
13:26	-	0.0	13:26	0.0	0.0	-
13:27	-	0.0	13:27	0.0	0.0	-
13:28	-	0.0	13:28	0.0	0.0	-
13:29	-	0.0	13:29	0.0	0.0	-
13:30	-	0.0	13:30	0.0	0.0	-
13:31	-	0.0	13:31	0.0	0.0	-
13:32	-	0.0	13:32	0.0	0.0	-
13:33	-	0.0	13:33	0.0	0.0	-
13:34	-	0.0	13:34	0.0	0.0	-
13:35	-	0.0	13:35	0.0	0.0	-
13:36	-	0.0	13:36	0.0	0.0	-
13:37	-	0.0	13:37	0.0	0.0	-
13:38	-	0.0	13:38	0.0	0.0	-
13:39	-	0.0	13:39	0.0	0.0	-
13:40	-	0.0	13:40	0.0	0.0	-
13:41	-	0.0	13:41	0.0	0.0	-
13:42	-	0.0	13:42	0.0	0.0	-
13:43	-	0.0	13:43	0.0	0.0	-
13:44	-	0.0	13:44	0.0	0.0	-
13:45	-	0.0	13:45	0.0	0.0	-
13:46	-	0.0	13:46	0.0	0.0	-
13:47	-	0.0	13:47	0.0	0.0	-
13:48	-	0.0	13:48	0.0	0.0	-
13:49	-	0.0	13:49	0.0	0.0	-
13:50	-	0.0	13:50	0.0	0.0	-
13:51	-	0.0	13:51	0.0	0.0	-
13:52	-	0.0	13:52	0.0	0.0	-
13:53	-	0.0	13:53	0.0	0.0	-
13:54	-	0.0	13:54	0.0	0.0	-
13:55	-	0.0	13:55	0.0	0.0	-
13:56	-	0.0	13:56	0.0	0.0	-
13:57	-	0.0	13:57	0.0	0.0	-
13:58	-	0.0	13:58	0.0	0.0	-
13:59	-	0.0	13:59	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:00	-	0.0	14:00	0.0	0.0	-
14:01	-	0.0	14:01	0.0	0.0	-
14:02	-	0.0	14:02	0.0	0.0	-
14:03	-	0.0	14:03	0.0	0.0	-
14:04	-	0.0	14:04	0.0	0.0	-

DAILY FIELD REPORT 05

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 17, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	7:00 am to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil boring with a AMS 9100 drilling rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH1_SB21A was completed to 5 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.
    - Soil boring PH1_SB28 was completed to 5 feet bgs. Soil recovered did not exhibit signs of impacts.
- Lakewood attempted to advance soil boring PH1_SB20 with an AMC 9100 drilling rig by advancing 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners. However, subsurface obstructions prevented the macrocores from being advanced past 8 feet bgs. Lakewood will reattempt to advance the soil boring on the following workday (3/20/2023).
- Lakewood installed soil vapor probe PH1_SV21 by advancing 2-inch-diameter by 4-foot-long macrocores to 10 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 9.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 2 sand to about 8 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 2-foot thick bentonite seal at surface grade. The vapor probe will be sampled at a future date pending access to all the soil vapor sampling locations from the tenant/operator.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB28_1-2
  - PH1_SB28_2-3
  - PH1_SB28_3-4
  - PH1_SB28_4-5
  - PH1_SB21A_1-2
  - PH1_SB21A_2-3
  - PH1_SB21A_3-4
  - PH1_SB21A_4-5
- The samples will be analyzed for total lead and toxicity characteristic leaching procedure (TCLP) lead by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

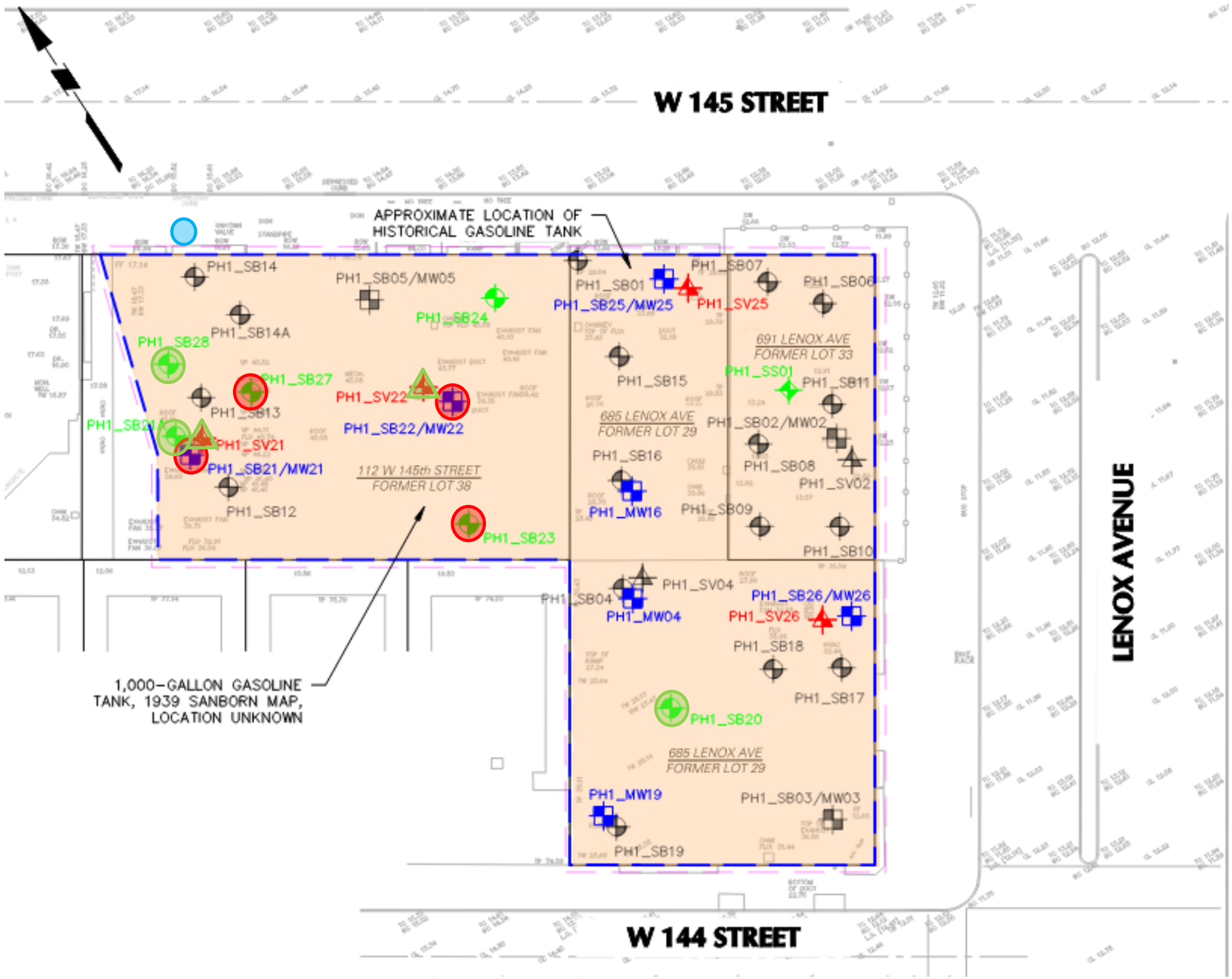
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-03-17 Daily Field Report_05

Photo Log

Photo 1: General view of the site (facing south)	
Photo 2: View of Lakewood advancing soil boring PH1_SB20 (facing south)	

File Name: 2023-03-17 Daily Field Report_05

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/17/2023
Start: 7:37 AM
End: 3:17 PM
Observer: Jack Frey

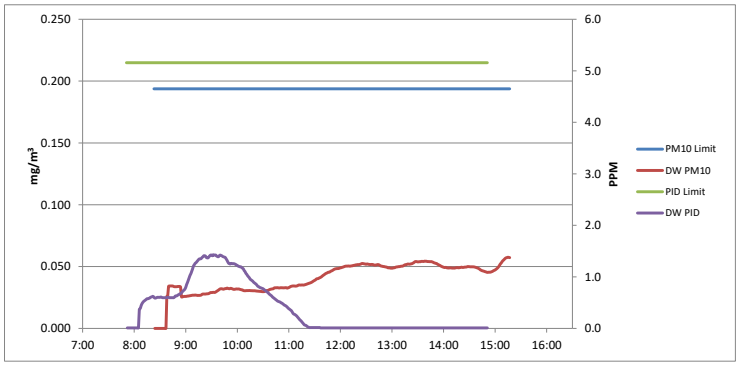
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0438	0.0255
Maximum 15min Average	0.0438	0.0575
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0340	0.0230
Maximum 1min Reading	0.0410	0.1460

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.147	0.385
Minimum 15min Average	0.1467	0.0000
Maximum 15min Average	0.1467	1.4200
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.147	1.600

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						400
170635401						8:09
End Time:						15:17
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
8:09	0.058		8:09			
8:10	0.041		8:10			
8:11	0.041		8:11			
8:12	0.044		8:12			
8:13	0.041		8:13			
8:14	0.040		8:14			
8:15	0.05		8:15			
8:16	0.048		8:16			
8:17	0.041		8:17			
8:18	0.041		8:18			
8:19	0.04		8:19			
8:20	0.04		8:20			
8:21	0.034		8:21			
8:22	0.036		8:22			
8:23	0.034	0.044	8:23			
8:24		0.044	8:24	0.03	-	
8:25	-	0.044	8:25	0.025	-	
8:26	-	0.044	8:26	0.024	-	
8:27	-	0.044	8:27	0.024	-	
8:28	-	0.044	8:28	0.026	-	
8:29	-	0.044	8:29	0.025	-	
8:30	-	0.044	8:30	0.029	-	
8:31	-	0.044	8:31	0.03	-	
8:32	-	0.044	8:32	0.027	-	
8:33	-	0.044	8:33	0.025	-	
8:34	-	0.044	8:34	0.025	-	
8:35	-	0.044	8:35	0.024	-	
8:36	-	0.044	8:36	0.023	-	
8:37	-	0.044	8:37	0.025	-	
8:38	-	0.044	8:38	0.025	0.026	-
8:39	-	0.044	8:39	0.033	0.026	-
8:40	-	0.044	8:40	0.146	0.034	-
8:41	-	0.044	8:41	0.027	0.034	-
8:42	-	0.044	8:42	0.025	0.034	-
8:43	-	0.044	8:43	0.026	0.034	-
8:44	-	0.044	8:44	0.025	0.034	-
8:45	-	0.044	8:45	0.028	0.034	-
8:46	-	0.044	8:46	0.025	0.034	-
8:47	-	0.044	8:47	0.024	0.034	-
8:48	-	0.044	8:48	0.025	0.034	-
8:49	-	0.044	8:49	0.025	0.034	-
8:50	-	0.044	8:50	0.025	0.034	-
8:51	-	0.044	8:51	0.025	0.034	-
8:52	-	0.044	8:52	0.025	0.034	-
8:53	-	0.044	8:53	0.025	0.034	-
8:54	-	0.044	8:54	0.026	0.033	-
8:55	-	0.044	8:55	0.026	0.025	-
8:56	-	0.044	8:56	0.027	0.025	-
8:57	-	0.044	8:57	0.029	0.026	-
8:58	-	0.044	8:58	0.027	0.026	-
8:59	-	0.044	8:59	0.027	0.026	-
9:00	-	0.044	9:00	0.027	0.026	-
9:01	-	0.044	9:01	0.027	0.026	-
9:02	-	0.044	9:02	0.026	0.026	-
9:03	-	0.044	9:03	0.026	0.026	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
9:04	-	0.044	9:04	0.027	0.026	-
9:05	-	0.044	9:05	0.027	0.026	-
9:06	-	0.044	9:06	0.027	0.027	-
9:07	-	0.044	9:07	0.027	0.027	-
9:08	-	0.044	9:08	0.027	0.027	-
9:09	-	0.044	9:09	0.026	0.027	-
9:10	-	0.044	9:10	0.026	0.027	-
9:11	-	0.044	9:11	0.029	0.027	-
9:12	-	0.044	9:12	0.027	0.027	-
9:13	-	0.044	9:13	0.026	0.027	-
9:14	-	0.044	9:14	0.025	0.027	-
9:15	-	0.044	9:15	0.028	0.027	-
9:16	-	0.044	9:16	0.027	0.027	-
9:17	-	0.044	9:17	0.027	0.027	-
9:18	-	0.044	9:18	0.029	0.027	-
9:19	-	0.044	9:19	0.035	0.028	-
9:20	-	0.044	9:20	0.031	0.028	-
9:21	-	0.044	9:21	0.027	0.028	-
9:22	-	0.044	9:22	0.027	0.028	-
9:23	-	0.044	9:23	0.027	0.028	-
9:24	-	0.044	9:24	0.028	0.028	-
9:25	-	0.044	9:25	0.027	0.028	-
9:26	-	0.044	9:26	0.03	0.028	-
9:27	-	0.044	9:27	0.03	0.028	-
9:28	-	0.044	9:28	0.032	0.029	-
9:29	-	0.044	9:29	0.03	0.029	-
9:30	-	0.044	9:30	0.028	0.029	-
9:31	-	0.044	9:31	0.028	0.029	-
9:32	-	0.044	9:32	0.029	0.029	-
9:33	-	0.044	9:33	0.028	0.029	-
9:34	-	0.044	9:34	0.035	0.029	-
9:35	-	0.044	9:35	0.037	0.030	-
9:36	-	0.044	9:36	0.034	0.030	-
9:37	-	0.044	9:37	0.034	0.030	-
9:38	-	0.044	9:38	0.034	0.031	-
9:39	-	0.044	9:39	0.036	0.031	-
9:40	-	0.044	9:40	0.034	0.032	-
9:41	-	0.044	9:41	0.032	0.032	-
9:42	-	0.044	9:42	0.03	0.032	-
9:43	-	0.044	9:43	0.029	0.032	-
9:44	-	0.044	9:44	0.028	0.032	-
9:45	-	0.044	9:45	0.032	0.032	-
9:46	-	0.044	9:46	0.031	0.032	-
9:47	-	0.044	9:47	0.029	0.032	-
9:48	-	0.044	9:48	0.034	0.033	-
9:49	-	0.044	9:49	0.032	0.032	-
9:50	-	0.044	9:50	0.034	0.032	-
9:51	-	0.044	9:51	0.032	0.032	-
9:52	-	0.044	9:52	0.039	0.032	-
9:53	-	0.044	9:53	0.033	0.032	-
9:54	-	0.044	9:54	0.032	0.032	-
9:55	-	0.044	9:55	0.03	0.032	-
9:56	-	0.044	9:56	0.029	0.032	-
9:57	-	0.044	9:57	0.031	0.032	-
9:58	-	0.044	9:58	0.031	0.032	-
9:59	-	0.044	9:59	0.03	0.032	-
10:00	-	0.044	10:00	0.031	0.032	-
10:01	-	0.044	10:01	0.031	0.032	-
10:02	-	0.044	10:02	0.029	0.032	-
10:03	-	0.044	10:03	0.03	0.032	-
10:04	-	0.044	10:04	0.03	0.031	-
10:05	-	0.044	10:05	0.03	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:06	-	0.044	10:06	0.031	0.031	-
10:07	-	0.044	10:07	0.032	0.031	-
10:08	-	0.044	10:08	0.031	0.031	-
10:09	-	0.044	10:09	0.031	0.030	-
10:10	-	0.044	10:10	0.031	0.031	-
10:11	-	0.044	10:11	0.03	0.031	-
10:12	-	0.044	10:12	0.031	0.031	-
10:13	-	0.044	10:13	0.031	0.031	-
10:14	-	0.044	10:14	0.031	0.031	-
10:15	-	0.044	10:15	0.03	0.031	-
10:16	-	0.044	10:16	0.03	0.031	-
10:17	-	0.044	10:17	0.029	0.031	-
10:18	-	0.044	10:18	0.029	0.030	-
10:19	-	0.044	10:19	0.03	0.030	-
10:20	-	0.044	10:20	0.03	0.030	-
10:21	-	0.044	10:21	0.03	0.030	-
10:22	-	0.044	10:22	0.03	0.030	-
10:23	-	0.044	10:23	0.03	0.030	-
10:24	-	0.044	10:24	0.03	0.030	-
10:25	-	0.044	10:25	0.03	0.030	-
10:26	-	0.044	10:26	0.029	0.030	-
10:27	-	0.044	10:27	0.03	0.030	-
10:28	-	0.044	10:28	0.03	0.030	-
10:29	-	0.044	10:29	0.029	0.030	-
10:30	-	0.044	10:30	0.03	0.030	-
10:31	-	0.044	10:31	0.03	0.030	-
10:32	-	0.044	10:32	0.032	0.030	-
10:33	-	0.044	10:33	0.035	0.030	-
10:34	-	0.044	10:34	0.034	0.031	-
10:35	-	0.044	10:35	0.031	0.031	-
10:36	-	0.044	10:36	0.032	0.031	-
10:37	-	0.044	10:37	0.036	0.031	-
10:38	-	0.044	10:38	0.035	0.032	-
10:39	-	0.044	10:39	0.033	0.032	-
10:40	-	0.044	10:40	0.032	0.032	-
10:41	-	0.044	10:41	0.031	0.032	-
10:42	-	0.044	10:42	0.032	0.032	-
10:43	-	0.044	10:43	0.039	0.033	-
10:44	-	0.044	10:44	0.031	0.033	-
10:45	-	0.044	10:45	0.03	0.033	-
10:46	-	0.044	10:46	0.031	0.033	-
10:47	-	0.044	10:47	0.032	0.033	-
10:48	-	0.044	10:48	0.033	0.033	-
10:49	-	0.044	10:49	0.033	0.033	-
10:50	-	0.044	10:50	0.033	0.033	-
10:51	-	0.044	10:51	0.033	0.033	-
10:52	-	0.044	10:52	0.035	0.033	-
10:53	-	0.044	10:53	0.035	0.033	-
10:54	-	0.044	10:54	0.032	0.033	-
10:55	-	0.044	10:55	0.033	0.033	-
10:56	-	0.044	10:56	0.032	0.033	-
10:57	-	0.044	10:57	0.032	0.033	-
10:58	-	0.044	10:58	0.034	0.033	-
10:59	-	0.044	10:59	0.034	0.033	-
11:00	-	0.044	11:00	0.034	0.033	-
11:01	-	0.044	11:01	0.036	0.033	-
11:02	-	0.044	11:02	0.039	0.034	-
11:03	-	0.044	11:03	0.036	0.034	-
11:04	-	0.044	11:04	0.036	0.034	-
11:05	-	0.044	11:05	0.034	0.034	-
11:06	-	0.044	11:06	0.033	0.034	-
11:07	-	0.044	11:07	0.034	0.034	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:08	-	0.044	11:08	0.034	0.034	-
11:09	-	0.044	11:09	0.034	0.034	-
11:10	-	0.044	11:10	0.036	0.035	-
11:11	-	0.044	11:11	0.038	0.035	-
11:12	-	0.044	11:12	0.035	0.035	-
11:13	-	0.044	11:13	0.033	0.035	-
11:14	-	0.044	11:14	0.034	0.035	-
11:15	-	0.044	11:15	0.035	0.035	-
11:16	-	0.044	11:16	0.036	0.035	-
11:17	-	0.044	11:17	0.038	0.035	-
11:18	-	0.044	11:18	0.038	0.035	-
11:19	-	0.044	11:19	0.039	0.035	-
11:20	-	0.044	11:20	0.037	0.036	-
11:21	-	0.044	11:21	0.037	0.036	-
11:22	-	0.044	11:22	0.038	0.036	-
11:23	-	0.044	11:23	0.038	0.036	-
11:24	-	0.044	11:24	0.037	0.037	-
11:25	-	0.044	11:25	0.04	0.037	-
11:26	-	0.044	11:26	0.042	0.037	-
11:27	-	0.044	11:27	0.041	0.038	-
11:28	-	0.044	11:28	0.04	0.038	-
11:29	-	0.044	11:29	0.041	0.038	-
11:30	-	0.044	11:30	0.041	0.039	-
11:31	-	0.044	11:31	0.042	0.039	-
11:32	-	0.044	11:32	0.048	0.040	-
11:33	-	0.044	11:33	0.042	0.040	-
11:34	-	0.044	11:34	0.04	0.040	-
11:35	-	0.044	11:35	0.043	0.041	-
11:36	-	0.044	11:36	0.042	0.041	-
11:37	-	0.044	11:37	0.043	0.041	-
11:38	-	0.044	11:38	0.045	0.042	-
11:39	-	0.044	11:39	0.046	0.042	-
11:40	-	0.044	11:40	0.048	0.043	-
11:41	-	0.044	11:41	0.049	0.043	-
11:42	-	0.044	11:42	0.049	0.044	-
11:43	-	0.044	11:43	0.047	0.044	-
11:44	-	0.044	11:44	0.046	0.045	-
11:45	-	0.044	11:45	0.046	0.045	-
11:46	-	0.044	11:46	0.048	0.045	-
11:47	-	0.044	11:47	0.048	0.045	-
11:48	-	0.044	11:48	0.048	0.046	-
11:49	-	0.044	11:49	0.047	0.046	-
11:50	-	0.044	11:50	0.047	0.047	-
11:51	-	0.044	11:51	0.048	0.047	-
11:52	-	0.044	11:52	0.05	0.047	-
11:53	-	0.044	11:53	0.051	0.048	-
11:54	-	0.044	11:54	0.05	0.048	-
11:55	-	0.044	11:55	0.05	0.048	-
11:56	-	0.044	11:56	0.051	0.048	-
11:57	-	0.044	11:57	0.049	0.048	-
11:58	-	0.044	11:58	0.048	0.048	-
11:59	-	0.044	11:59	0.05	0.049	-
12:00	-	0.044	12:00	0.05	0.049	-
12:01	-	0.044	12:01	0.05	0.049	-
12:02	-	0.044	12:02	0.052	0.049	-
12:03	-	0.044	12:03	0.051	0.050	-
12:04	-	0.044	12:04	0.051	0.050	-
12:05	-	0.044	12:05	0.051	0.050	-
12:06	-	0.044	12:06	0.051	0.050	-
12:07	-	0.044	12:07	0.051	0.050	-
12:08	-	0.044	12:08	0.051	0.050	-
12:09	-	0.044	12:09	0.051	0.050	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
12:10	-	0.044	12:10	0.05	0.050	-
12:11	-	0.044	12:11	0.049	0.050	-
12:12	-	0.044	12:12	0.051	0.050	-
12:13	-	0.044	12:13	0.05	0.051	-
12:14	-	0.044	12:14	0.051	0.051	-
12:15	-	0.044	12:15	0.054	0.051	-
12:16	-	0.044	12:16	0.051	0.051	-
12:17	-	0.044	12:17	0.055	0.051	-
12:18	-	0.044	12:18	0.054	0.051	-
12:19	-	0.044	12:19	0.052	0.051	-
12:20	-	0.044	12:20	0.053	0.052	-
12:21	-	0.044	12:21	0.051	0.052	-
12:22	-	0.044	12:22	0.052	0.052	-
12:23	-	0.044	12:23	0.054	0.052	-
12:24	-	0.044	12:24	0.055	0.052	-
12:25	-	0.044	12:25	0.055	0.052	-
12:26	-	0.044	12:26	0.049	0.052	-
12:27	-	0.044	12:27	0.049	0.052	-
12:28	-	0.044	12:28	0.048	0.052	-
12:29	-	0.044	12:29	0.049	0.052	-
12:30	-	0.044	12:30	0.051	0.052	-
12:31	-	0.044	12:31	0.055	0.052	-
12:32	-	0.044	12:32	0.053	0.052	-
12:33	-	0.044	12:33	0.051	0.052	-
12:34	-	0.044	12:34	0.051	0.052	-
12:35	-	0.044	12:35	0.052	0.052	-
12:36	-	0.044	12:36	0.052	0.052	-
12:37	-	0.044	12:37	0.052	0.052	-
12:38	-	0.044	12:38	0.052	0.052	-
12:39	-	0.044	12:39	0.051	0.051	-
12:40	-	0.044	12:40	0.053	0.051	-
12:41	-	0.044	12:41	0.05	0.051	-
12:42	-	0.044	12:42	0.05	0.051	-
12:43	-	0.044	12:43	0.052	0.052	-
12:44	-	0.044	12:44	0.049	0.052	-
12:45	-	0.044	12:45	0.048	0.051	-
12:46	-	0.044	12:46	0.048	0.051	-
12:47	-	0.044	12:47	0.047	0.051	-
12:48	-	0.044	12:48	0.049	0.050	-
12:49	-	0.044	12:49	0.048	0.050	-
12:50	-	0.044	12:50	0.05	0.050	-
12:51	-	0.044	12:51	0.051	0.050	-
12:52	-	0.044	12:52	0.049	0.050	-
12:53	-	0.044	12:53	0.05	0.050	-
12:54	-	0.044	12:54	0.049	0.050	-
12:55	-	0.044	12:55	0.047	0.049	-
12:56	-	0.044	12:56	0.048	0.049	-
12:57	-	0.044	12:57	0.05	0.049	-
12:58	-	0.044	12:58	0.049	0.049	-
12:59	-	0.044	12:59	0.048	0.049	-
13:00	-	0.044	13:00	0.048	0.049	-
13:01	-	0.044	13:01	0.049	0.049	-
13:02	-	0.044	13:02	0.051	0.049	-
13:03	-	0.044	13:03	0.049	0.049	-
13:04	-	0.044	13:04	0.053	0.049	-
13:05	-	0.044	13:05	0.054	0.050	-
13:06	-	0.044	13:06	0.052	0.050	-
13:07	-	0.044	13:07	0.051	0.050	-
13:08	-	0.044	13:08	0.052	0.050	-
13:09	-	0.044	13:09	0.049	0.050	-
13:10	-	0.044	13:10	0.05	0.050	-
13:11	-	0.044	13:11	0.05	0.050	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
13:12	-	0.044	13:12	0.05	0.050	-
13:13	-	0.044	13:13	0.053	0.051	-
13:14	-	0.044	13:14	0.054	0.051	-
13:15	-	0.044	13:15	0.054	0.051	-
13:16	-	0.044	13:16	0.052	0.052	-
13:17	-	0.044	13:17	0.052	0.052	-
13:18	-	0.044	13:18	0.054	0.052	-
13:19	-	0.044	13:19	0.054	0.052	-
13:20	-	0.044	13:20	0.052	0.052	-
13:21	-	0.044	13:21	0.053	0.052	-
13:22	-	0.044	13:22	0.054	0.052	-
13:23	-	0.044	13:23	0.053	0.052	-
13:24	-	0.044	13:24	0.055	0.053	-
13:25	-	0.044	13:25	0.055	0.053	-
13:26	-	0.044	13:26	0.058	0.054	-
13:27	-	0.044	13:27	0.057	0.054	-
13:28	-	0.044	13:28	0.054	0.054	-
13:29	-	0.044	13:29	0.053	0.054	-
13:30	-	0.044	13:30	0.051	0.054	-
13:31	-	0.044	13:31	0.053	0.054	-
13:32	-	0.044	13:32	0.054	0.054	-
13:33	-	0.044	13:33	0.053	0.054	-
13:34	-	0.044	13:34	0.058	0.054	-
13:35	-	0.044	13:35	0.052	0.054	-
13:36	-	0.044	13:36	0.053	0.054	-
13:37	-	0.044	13:37	0.053	0.054	-
13:38	-	0.044	13:38	0.057	0.054	-
13:39	-	0.044	13:39	0.054	0.054	-
13:40	-	0.044	13:40	0.055	0.054	-
13:41	-	0.044	13:41	0.055	0.054	-
13:42	-	0.044	13:42	0.056	0.054	-
13:43	-	0.044	13:43	0.054	0.054	-
13:44	-	0.044	13:44	0.052	0.054	-
13:45	-	0.044	13:45	0.051	0.054	-
13:46	-	0.044	13:46	0.053	0.054	-
13:47	-	0.044	13:47	0.05	0.054	-
13:48	-	0.044	13:48	0.049	0.053	-
13:49	-	0.044	13:49	0.052	0.053	-
13:50	-	0.044	13:50	0.049	0.053	-
13:51	-	0.044	13:51	0.049	0.053	-
13:52	-	0.044	13:52	0.051	0.052	-
13:53	-	0.044	13:53	0.049	0.052	-
13:54	-	0.044	13:54	0.049	0.052	-
13:55	-	0.044	13:55	0.049	0.051	-
13:56	-	0.044	13:56	0.05	0.051	-
13:57	-	0.044	13:57	0.049	0.050	-
13:58	-	0.044	13:58	0.049	0.050	-
13:59	-	0.044	13:59	0.047	0.050	-
14:00	-	0.044	14:00	0.048	0.050	-
14:01	-	0.044	14:01	0.049	0.049	-
14:02	-	0.044	14:02	0.051	0.049	-
14:03	-	0.044	14:03	0.049	0.049	-
14:04	-	0.044	14:04	0.047	0.049	-
14:05	-	0.044	14:05	0.048	0.049	-
14:06	-	0.044	14:06	0.048	0.049	-
14:07	-	0.044	14:07	0.052	0.049	-
14:08	-	0.044	14:08	0.05	0.049	-
14:09	-	0.044	14:09	0.048	0.049	-
14:10	-	0.044	14:10	0.047	0.049	-
14:11	-	0.044	14:11	0.05	0.049	-
14:12	-	0.044	14:12	0.049	0.049	-
14:13	-	0.044	14:13	0.049	0.049	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
14:14	-	0.044	14:14	0.05	0.049	-
14:15	-	0.044	14:15	0.05	0.049	-
14:16	-	0.044	14:16	0.05	0.049	-
14:17	-	0.044	14:17	0.049	0.049	-
14:18	-	0.044	14:18	0.049	0.049	-
14:19	-	0.044	14:19	0.049	0.049	-
14:20	-	0.044	14:20	0.05	0.049	-
14:21	-	0.044	14:21	0.051	0.050	-
14:22	-	0.044	14:22	0.049	0.049	-
14:23	-	0.044	14:23	0.05	0.049	-
14:24	-	0.044	14:24	0.05	0.049	-
14:25	-	0.044	14:25	0.049	0.050	-
14:26	-	0.044	14:26	0.05	0.050	-
14:27	-	0.044	14:27	0.051	0.050	-
14:28	-	0.044	14:28	0.053	0.050	-
14:29	-	0.044	14:29	0.05	0.050	-
14:30	-	0.044	14:30	0.049	0.050	-
14:31	-	0.044	14:31	0.049	0.050	-
14:32	-	0.044	14:32	0.048	0.050	-
14:33	-	0.044	14:33	0.05	0.050	-
14:34	-	0.044	14:34	0.048	0.050	-
14:35	-	0.044	14:35	0.05	0.050	-
14:36	-	0.044	14:36	0.049	0.050	-
14:37	-	0.044	14:37	0.046	0.049	-
14:38	-	0.044	14:38	0.047	0.049	-
14:39	-	0.044	14:39	0.046	0.049	-
14:40	-	0.044	14:40	0.045	0.049	-
14:41	-	0.044	14:41	0.045	0.048	-
14:42	-	0.044	14:42	0.044	0.048	-
14:43	-	0.044	14:43	0.044	0.047	-
14:44	-	0.044	14:44	0.045	0.047	-
14:45	-	0.044	14:45	0.044	0.047	-
14:46	-	0.044	14:46	0.046	0.046	-
14:47	-	0.044	14:47	0.045	0.046	-
14:48	-	0.044	14:48	0.046	0.046	-
14:49	-	0.044	14:49	0.045	0.046	-
14:50	-	0.044	14:50	0.046	0.046	-
14:51	-	0.044	14:51	0.046	0.045	-
14:52	-	0.044	14:52	0.047	0.045	-
14:53	-	0.044	14:53	0.048	0.045	-
14:54	-	0.044	14:54	0.046	0.045	-
14:55	-	0.044	14:55	0.047	0.046	-
14:56	-	0.044	14:56	0.049	0.046	-
14:57	-	0.044	14:57	0.048	0.046	-
14:58	-	0.044	14:58	0.051	0.047	-
14:59	-	0.044	14:59	0.05	0.047	-
15:00	-	0.044	15:00	0.049	0.047	-
15:01	-	0.044	15:01	0.054	0.048	-
15:02	-	0.044	15:02	0.053	0.048	-
15:03	-	0.044	15:03	0.056	0.049	-
15:04	-	0.044	15:04	0.057	0.050	-
15:05	-	0.044	15:05	0.061	0.051	-
15:06	-	0.044	15:06	0.064	0.052	-
15:07	-	0.044	15:07	0.059	0.053	-
15:08	-	0.044	15:08	0.063	0.054	-
15:09	-	0.044	15:09	0.06	0.055	-
15:10	-	0.044	15:10	0.056	0.055	-
15:11	-	0.044	15:11	0.06	0.056	-
15:12	-	0.044	15:12	0.058	0.057	-
15:13	-	0.044	15:13	0.057	0.057	-
15:14	-	0.044	15:14	0.053	0.057	-
15:15	-	0.044	15:15	0.052	0.058	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
15:16	-	0.044	15:16	0.052	0.057	-
15:17	-	0.044	15:17	0.051	0.057	-

Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						420
170635401						7:37
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.1		7:43			
7:44	0.2		7:44			
7:45	0.2		7:45			
7:46	0.2		7:46			
7:47	0.3		7:47			
7:48	0.3		7:48			
7:49	0.3		7:49			
7:50	0.4		7:50			
7:51	0.2	0.1	7:51			
7:52	-	0.1	7:52	0.3	-	-
7:53	-	0.1	7:53	0.1	-	-
7:54	-	0.1	7:54	0.1	-	-
7:55	-	0.1	7:55	0.2	-	-
7:56	-	0.1	7:56	0.3	-	-
7:57	-	0.1	7:57	0.3	-	-
7:58	-	0.1	7:58	0.4	-	-
7:59	-	0.1	7:59	0.4	-	-
8:00	-	0.1	8:00	0.4	-	-
8:01	-	0.1	8:01	0.5	-	-
8:02	-	0.1	8:02	0.5	-	-
8:03	-	0.1	8:03	0.5	-	-
8:04	-	0.1	8:04	0.4	-	-
8:05	-	0.1	8:05	0.5	-	-
8:06	-	0.1	8:06	0.5	0.4	-
8:07	-	0.1	8:07	0.5	0.4	-
8:08	-	0.1	8:08	0.9	0.4	-
8:09	-	0.1	8:09	0.7	0.5	-
8:10	-	0.1	8:10	0.6	0.5	-
8:11	-	0.1	8:11	0.6	0.5	-
8:12	-	0.1	8:12	0.5	0.5	-
8:13	-	0.1	8:13	0.6	0.5	-
8:14	-	0.1	8:14	0.6	0.6	-
8:15	-	0.1	8:15	0.6	0.6	-
8:16	-	0.1	8:16	0.5	0.6	-
8:17	-	0.1	8:17	0.6	0.6	-
8:18	-	0.1	8:18	0.6	0.6	-
8:19	-	0.1	8:19	0.6	0.6	-
8:20	-	0.1	8:20	0.6	0.6	-
8:21	-	0.1	8:21	0.6	0.6	-
8:22	-	0.1	8:22	0.6	0.6	-
8:23	-	0.1	8:23	0.6	0.6	-
8:24	-	0.1	8:24	0.5	0.6	-
8:25	-	0.1	8:25	0.6	0.6	-
8:26	-	0.1	8:26	0.7	0.6	-
8:27	-	0.1	8:27	0.6	0.6	-
8:28	-	0.1	8:28	0.6	0.6	-
8:29	-	0.1	8:29	0.6	0.6	-
8:30	-	0.1	8:30	0.6	0.6	-
8:31	-	0.1	8:31	0.6	0.6	-
8:32	-	0.1	8:32	0.5	0.6	-
8:33	-	0.1	8:33	0.5	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:34	-	0.1	8:34	0.6	0.6	-
8:35	-	0.1	8:35	0.6	0.6	-
8:36	-	0.1	8:36	0.6	0.6	-
8:37	-	0.1	8:37	0.6	0.6	-
8:38	-	0.1	8:38	0.6	0.6	-
8:39	-	0.1	8:39	0.6	0.6	-
8:40	-	0.1	8:40	0.6	0.6	-
8:41	-	0.1	8:41	0.6	0.6	-
8:42	-	0.1	8:42	0.6	0.6	-
8:43	-	0.1	8:43	0.6	0.6	-
8:44	-	0.1	8:44	0.6	0.6	-
8:45	-	0.1	8:45	0.6	0.6	-
8:46	-	0.1	8:46	0.6	0.6	-
8:47	-	0.1	8:47	0.7	0.6	-
8:48	-	0.1	8:48	0.8	0.6	-
8:49	-	0.1	8:49	0.6	0.6	-
8:50	-	0.1	8:50	0.7	0.6	-
8:51	-	0.1	8:51	0.8	0.6	-
8:52	-	0.1	8:52	0.7	0.6	-
8:53	-	0.1	8:53	0.8	0.7	-
8:54	-	0.1	8:54	0.7	0.7	-
8:55	-	0.1	8:55	0.8	0.7	-
8:56	-	0.1	8:56	0.9	0.7	-
8:57	-	0.1	8:57	0.9	0.7	-
8:58	-	0.1	8:58	0.8	0.7	-
8:59	-	0.1	8:59	0.9	0.8	-
9:00	-	0.1	9:00	1.1	0.8	-
9:01	-	0.1	9:01	1.4	0.8	-
9:02	-	0.1	9:02	1.3	0.9	-
9:03	-	0.1	9:03	1.5	0.9	-
9:04	-	0.1	9:04	1.3	1.0	-
9:05	-	0.1	9:05	1.4	1.0	-
9:06	-	0.1	9:06	1.3	1.1	-
9:07	-	0.1	9:07	1.4	1.1	-
9:08	-	0.1	9:08	1.5	1.1	-
9:09	-	0.1	9:09	1.5	1.2	-
9:10	-	0.1	9:10	1.2	1.2	-
9:11	-	0.1	9:11	1.3	1.3	-
9:12	-	0.1	9:12	1.1	1.3	-
9:13	-	0.1	9:13	1.1	1.3	-
9:14	-	0.1	9:14	1.2	1.3	-
9:15	-	0.1	9:15	1.4	1.3	-
9:16	-	0.1	9:16	1.6	1.3	-
9:17	-	0.1	9:17	1.3	1.3	-
9:18	-	0.1	9:18	1.6	1.3	-
9:19	-	0.1	9:19	1.6	1.4	-
9:20	-	0.1	9:20	1.6	1.4	-
9:21	-	0.1	9:21	1.6	1.4	-
9:22	-	0.1	9:22	1.4	1.4	-
9:23	-	0.1	9:23	1.4	1.4	-
9:24	-	0.1	9:24	1.1	1.4	-
9:25	-	0.1	9:25	1.1	1.4	-
9:26	-	0.1	9:26	1.3	1.4	-
9:27	-	0.1	9:27	1.4	1.4	-
9:28	-	0.1	9:28	1.4	1.4	-
9:29	-	0.1	9:29	1.4	1.4	-
9:30	-	0.1	9:30	1.4	1.4	-
9:31	-	0.1	9:31	1.4	1.4	-
9:32	-	0.1	9:32	1.6	1.4	-
9:33	-	0.1	9:33	1.5	1.4	-
9:34	-	0.1	9:34	1.6	1.4	-
9:35	-	0.1	9:35	1.6	1.4	-
9:36	-	0.1	9:36	1.3	1.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:37	-	0.1	9:37	1.3	1.4	-
9:38	-	0.1	9:38	1.3	1.4	-
9:39	-	0.1	9:39	1.4	1.4	-
9:40	-	0.1	9:40	1.3	1.4	-
9:41	-	0.1	9:41	1.2	1.4	-
9:42	-	0.1	9:42	1.3	1.4	-
9:43	-	0.1	9:43	1.2	1.4	-
9:44	-	0.1	9:44	1.3	1.4	-
9:45	-	0.1	9:45	1.3	1.4	-
9:46	-	0.1	9:46	1.3	1.4	-
9:47	-	0.1	9:47	1.2	1.3	-
9:48	-	0.1	9:48	1.1	1.3	-
9:49	-	0.1	9:49	1.1	1.3	-
9:50	-	0.1	9:50	1.2	1.3	-
9:51	-	0.1	9:51	1.2	1.2	-
9:52	-	0.1	9:52	1.2	1.2	-
9:53	-	0.1	9:53	1.5	1.3	-
9:54	-	0.1	9:54	1.3	1.2	-
9:55	-	0.1	9:55	1.3	1.2	-
9:56	-	0.1	9:56	1.2	1.2	-
9:57	-	0.1	9:57	1.2	1.2	-
9:58	-	0.1	9:58	1.1	1.2	-
9:59	-	0.1	9:59	1.1	1.2	-
10:00	-	0.1	10:00	1.2	1.2	-
10:01	-	0.1	10:01	1.1	1.2	-
10:02	-	0.1	10:02	1.1	1.2	-
10:03	-	0.1	10:03	1.0	1.2	-
10:04	-	0.1	10:04	1.1	1.2	-
10:05	-	0.1	10:05	1.0	1.2	-
10:06	-	0.1	10:06	1.0	1.2	-
10:07	-	0.1	10:07	1.0	1.1	-
10:08	-	0.1	10:08	1.0	1.1	-
10:09	-	0.1	10:09	1.0	1.1	-
10:10	-	0.1	10:10	0.8	1.1	-
10:11	-	0.1	10:11	0.9	1.0	-
10:12	-	0.1	10:12	0.8	1.0	-
10:13	-	0.1	10:13	0.8	1.0	-
10:14	-	0.1	10:14	0.8	1.0	-
10:15	-	0.1	10:15	0.8	0.9	-
10:16	-	0.1	10:16	0.9	0.9	-
10:17	-	0.1	10:17	0.9	0.9	-
10:18	-	0.1	10:18	0.8	0.9	-
10:19	-	0.1	10:19	0.8	0.9	-
10:20	-	0.1	10:20	0.8	0.9	-
10:21	-	0.1	10:21	0.8	0.9	-
10:22	-	0.1	10:22	0.8	0.8	-
10:23	-	0.1	10:23	0.7	0.8	-
10:24	-	0.1	10:24	0.7	0.8	-
10:25	-	0.1	10:25	0.7	0.8	-
10:26	-	0.1	10:26	0.7	0.8	-
10:27	-	0.1	10:27	0.7	0.8	-
10:28	-	0.1	10:28	0.7	0.8	-
10:29	-	0.1	10:29	0.7	0.8	-
10:30	-	0.1	10:30	0.7	0.8	-
10:31	-	0.1	10:31	0.7	0.7	-
10:32	-	0.1	10:32	0.7	0.7	-
10:33	-	0.1	10:33	0.6	0.7	-
10:34	-	0.1	10:34	0.6	0.7	-
10:35	-	0.1	10:35	0.6	0.7	-
10:36	-	0.1	10:36	0.6	0.7	-
10:37	-	0.1	10:37	0.5	0.7	-
10:38	-	0.1	10:38	0.5	0.6	-
10:39	-	0.1	10:39	0.5	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:40	-	0.1	10:40	0.5	0.6	-
10:41	-	0.1	10:41	0.4	0.6	-
10:42	-	0.1	10:42	0.5	0.6	-
10:43	-	0.1	10:43	0.5	0.6	-
10:44	-	0.1	10:44	0.5	0.6	-
10:45	-	0.1	10:45	0.5	0.5	-
10:46	-	0.1	10:46	0.5	0.5	-
10:47	-	0.1	10:47	0.5	0.5	-
10:48	-	0.1	10:48	0.5	0.5	-
10:49	-	0.1	10:49	0.5	0.5	-
10:50	-	0.1	10:50	0.5	0.5	-
10:51	-	0.1	10:51	0.4	0.5	-
10:52	-	0.1	10:52	0.4	0.5	-
10:53	-	0.1	10:53	0.3	0.5	-
10:54	-	0.1	10:54	0.3	0.5	-
10:55	-	0.1	10:55	0.3	0.4	-
10:56	-	0.1	10:56	0.3	0.4	-
10:57	-	0.1	10:57	0.3	0.4	-
10:58	-	0.1	10:58	0.3	0.4	-
10:59	-	0.1	10:59	0.2	0.4	-
11:00	-	0.1	11:00	0.3	0.4	-
11:01	-	0.1	11:01	0.3	0.4	-
11:02	-	0.1	11:02	0.3	0.3	-
11:03	-	0.1	11:03	0.3	0.3	-
11:04	-	0.1	11:04	0.1	0.3	-
11:05	-	0.1	11:05	0.1	0.3	-
11:06	-	0.1	11:06	0.2	0.3	-
11:07	-	0.1	11:07	0.3	0.3	-
11:08	-	0.1	11:08	0.1	0.2	-
11:09	-	0.1	11:09	0.1	0.2	-
11:10	-	0.1	11:10	0.0	0.2	-
11:11	-	0.1	11:11	0.0	0.2	-
11:12	-	0.1	11:12	0.0	0.2	-
11:13	-	0.1	11:13	0.0	0.2	-
11:14	-	0.1	11:14	0.0	0.1	-
11:15	-	0.1	11:15	0.0	0.1	-
11:16	-	0.1	11:16	0.0	0.1	-
11:17	-	0.1	11:17	0.0	0.1	-
11:18	-	0.1	11:18	0.0	0.1	-
11:19	-	0.1	11:19	0.0	0.1	-
11:20	-	0.1	11:20	0.0	0.0	-
11:21	-	0.1	11:21	0.0	0.0	-
11:22	-	0.1	11:22	0.1	0.0	-
11:23	-	0.1	11:23	0.0	0.0	-
11:24	-	0.1	11:24	0.0	0.0	-
11:25	-	0.1	11:25	0.0	0.0	-
11:26	-	0.1	11:26	0.0	0.0	-
11:27	-	0.1	11:27	0.0	0.0	-
11:28	-	0.1	11:28	0.0	0.0	-
11:29	-	0.1	11:29	0.0	0.0	-
11:30	-	0.1	11:30	0.0	0.0	-
11:31	-	0.1	11:31	0.0	0.0	-
11:32	-	0.1	11:32	0.0	0.0	-
11:33	-	0.1	11:33	0.0	0.0	-
11:34	-	0.1	11:34	0.0	0.0	-
11:35	-	0.1	11:35	0.0	0.0	-
11:36	-	0.1	11:36	0.0	0.0	-
11:37	-	0.1	11:37	0.0	0.0	-
11:38	-	0.1	11:38	0.0	0.0	-
11:39	-	0.1	11:39	0.0	0.0	-
11:40	-	0.1	11:40	0.0	0.0	-
11:41	-	0.1	11:41	0.0	0.0	-
11:42	-	0.1	11:42	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:43	-	0.1	11:43	0.0	0.0	-
11:44	-	0.1	11:44	0.0	0.0	-
11:45	-	0.1	11:45	0.0	0.0	-
11:46	-	0.1	11:46	0.0	0.0	-
11:47	-	0.1	11:47	0.0	0.0	-
11:48	-	0.1	11:48	0.0	0.0	-
11:49	-	0.1	11:49	0.0	0.0	-
11:50	-	0.1	11:50	0.0	0.0	-
11:51	-	0.1	11:51	0.0	0.0	-
11:52	-	0.1	11:52	0.0	0.0	-
11:53	-	0.1	11:53	0.0	0.0	-
11:54	-	0.1	11:54	0.0	0.0	-
11:55	-	0.1	11:55	0.0	0.0	-
11:56	-	0.1	11:56	0.0	0.0	-
11:57	-	0.1	11:57	0.0	0.0	-
11:58	-	0.1	11:58	0.0	0.0	-
11:59	-	0.1	11:59	0.0	0.0	-
12:00	-	0.1	12:00	0.0	0.0	-
12:01	-	0.1	12:01	0.0	0.0	-
12:02	-	0.1	12:02	0.0	0.0	-
12:03	-	0.1	12:03	0.0	0.0	-
12:04	-	0.1	12:04	0.0	0.0	-
12:05	-	0.1	12:05	0.0	0.0	-
12:06	-	0.1	12:06	0.0	0.0	-
12:07	-	0.1	12:07	0.0	0.0	-
12:08	-	0.1	12:08	0.0	0.0	-
12:09	-	0.1	12:09	0.0	0.0	-
12:10	-	0.1	12:10	0.0	0.0	-
12:11	-	0.1	12:11	0.0	0.0	-
12:12	-	0.1	12:12	0.0	0.0	-
12:13	-	0.1	12:13	0.0	0.0	-
12:14	-	0.1	12:14	0.0	0.0	-
12:15	-	0.1	12:15	0.0	0.0	-
12:16	-	0.1	12:16	0.0	0.0	-
12:17	-	0.1	12:17	0.0	0.0	-
12:18	-	0.1	12:18	0.0	0.0	-
12:19	-	0.1	12:19	0.0	0.0	-
12:20	-	0.1	12:20	0.0	0.0	-
12:21	-	0.1	12:21	0.0	0.0	-
12:22	-	0.1	12:22	0.0	0.0	-
12:23	-	0.1	12:23	0.0	0.0	-
12:24	-	0.1	12:24	0.0	0.0	-
12:25	-	0.1	12:25	0.0	0.0	-
12:26	-	0.1	12:26	0.0	0.0	-
12:27	-	0.1	12:27	0.0	0.0	-
12:28	-	0.1	12:28	0.0	0.0	-
12:29	-	0.1	12:29	0.0	0.0	-
12:30	-	0.1	12:30	0.0	0.0	-
12:31	-	0.1	12:31	0.0	0.0	-
12:32	-	0.1	12:32	0.0	0.0	-
12:33	-	0.1	12:33	0.0	0.0	-
12:34	-	0.1	12:34	0.0	0.0	-
12:35	-	0.1	12:35	0.0	0.0	-
12:36	-	0.1	12:36	0.0	0.0	-
12:37	-	0.1	12:37	0.0	0.0	-
12:38	-	0.1	12:38	0.0	0.0	-
12:39	-	0.1	12:39	0.0	0.0	-
12:40	-	0.1	12:40	0.0	0.0	-
12:41	-	0.1	12:41	0.0	0.0	-
12:42	-	0.1	12:42	0.0	0.0	-
12:43	-	0.1	12:43	0.0	0.0	-
12:44	-	0.1	12:44	0.0	0.0	-
12:45	-	0.1	12:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:46	-	0.1	12:46	0.0	0.0	-
12:47	-	0.1	12:47	0.0	0.0	-
12:48	-	0.1	12:48	0.0	0.0	-
12:49	-	0.1	12:49	0.0	0.0	-
12:50	-	0.1	12:50	0.0	0.0	-
12:51	-	0.1	12:51	0.0	0.0	-
12:52	-	0.1	12:52	0.0	0.0	-
12:53	-	0.1	12:53	0.0	0.0	-
12:54	-	0.1	12:54	0.0	0.0	-
12:55	-	0.1	12:55	0.0	0.0	-
12:56	-	0.1	12:56	0.0	0.0	-
12:57	-	0.1	12:57	0.0	0.0	-
12:58	-	0.1	12:58	0.0	0.0	-
12:59	-	0.1	12:59	0.0	0.0	-
13:00	-	0.1	13:00	0.0	0.0	-
13:01	-	0.1	13:01	0.0	0.0	-
13:02	-	0.1	13:02	0.0	0.0	-
13:03	-	0.1	13:03	0.0	0.0	-
13:04	-	0.1	13:04	0.0	0.0	-
13:05	-	0.1	13:05	0.0	0.0	-
13:06	-	0.1	13:06	0.0	0.0	-
13:07	-	0.1	13:07	0.0	0.0	-
13:08	-	0.1	13:08	0.0	0.0	-
13:09	-	0.1	13:09	0.0	0.0	-
13:10	-	0.1	13:10	0.0	0.0	-
13:11	-	0.1	13:11	0.0	0.0	-
13:12	-	0.1	13:12	0.0	0.0	-
13:13	-	0.1	13:13	0.0	0.0	-
13:14	-	0.1	13:14	0.0	0.0	-
13:15	-	0.1	13:15	0.0	0.0	-
13:16	-	0.1	13:16	0.0	0.0	-
13:17	-	0.1	13:17	0.0	0.0	-
13:18	-	0.1	13:18	0.0	0.0	-
13:19	-	0.1	13:19	0.0	0.0	-
13:20	-	0.1	13:20	0.0	0.0	-
13:21	-	0.1	13:21	0.0	0.0	-
13:22	-	0.1	13:22	0.0	0.0	-
13:23	-	0.1	13:23	0.0	0.0	-
13:24	-	0.1	13:24	0.0	0.0	-
13:25	-	0.1	13:25	0.0	0.0	-
13:26	-	0.1	13:26	0.0	0.0	-
13:27	-	0.1	13:27	0.0	0.0	-
13:28	-	0.1	13:28	0.0	0.0	-
13:29	-	0.1	13:29	0.0	0.0	-
13:30	-	0.1	13:30	0.0	0.0	-
13:31	-	0.1	13:31	0.0	0.0	-
13:32	-	0.1	13:32	0.0	0.0	-
13:33	-	0.1	13:33	0.0	0.0	-
13:34	-	0.1	13:34	0.0	0.0	-
13:35	-	0.1	13:35	0.0	0.0	-
13:36	-	0.1	13:36	0.0	0.0	-
13:37	-	0.1	13:37	0.0	0.0	-
13:38	-	0.1	13:38	0.0	0.0	-
13:39	-	0.1	13:39	0.0	0.0	-
13:40	-	0.1	13:40	0.0	0.0	-
13:41	-	0.1	13:41	0.0	0.0	-
13:42	-	0.1	13:42	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:43	-	0.1	13:43	0.0	0.0	-
13:44	-	0.1	13:44	0.0	0.0	-
13:45	-	0.1	13:45	0.0	0.0	-
13:46	-	0.1	13:46	0.0	0.0	-
13:47	-	0.1	13:47	0.0	0.0	-
13:48	-	0.1	13:48	0.0	0.0	-
13:49	-	0.1	13:49	0.0	0.0	-
13:50	-	0.1	13:50	0.0	0.0	-
13:51	-	0.1	13:51	0.0	0.0	-
13:52	-	0.1	13:52	0.0	0.0	-
13:53	-	0.1	13:53	0.0	0.0	-
13:54	-	0.1	13:54	0.0	0.0	-
13:55	-	0.1	13:55	0.0	0.0	-
13:56	-	0.1	13:56	0.0	0.0	-
13:57	-	0.1	13:57	0.0	0.0	-
13:58	-	0.1	13:58	0.0	0.0	-
13:59	-	0.1	13:59	0.0	0.0	-
14:00	-	0.1	14:00	0.0	0.0	-
14:01	-	0.1	14:01	0.0	0.0	-
14:02	-	0.1	14:02	0.0	0.0	-
14:03	-	0.1	14:03	0.0	0.0	-
14:04	-	0.1	14:04	0.0	0.0	-
14:05	-	0.1	14:05	0.0	0.0	-
14:06	-	0.1	14:06	0.0	0.0	-
14:07	-	0.1	14:07	0.0	0.0	-
14:08	-	0.1	14:08	0.0	0.0	-
14:09	-	0.1	14:09	0.0	0.0	-
14:10	-	0.1	14:10	0.0	0.0	-
14:11	-	0.1	14:11	0.0	0.0	-
14:12	-	0.1	14:12	0.0	0.0	-
14:13	-	0.1	14:13	0.0	0.0	-
14:14	-	0.1	14:14	0.0	0.0	-
14:15	-	0.1	14:15	0.0	0.0	-
14:16	-	0.1	14:16	0.0	0.0	-
14:17	-	0.1	14:17	0.0	0.0	-
14:18	-	0.1	14:18	0.0	0.0	-
14:19	-	0.1	14:19	0.0	0.0	-
14:20	-	0.1	14:20	0.0	0.0	-
14:21	-	0.1	14:21	0.0	0.0	-
14:22	-	0.1	14:22	0.0	0.0	-
14:23	-	0.1	14:23	0.0	0.0	-
14:24	-	0.1	14:24	0.0	0.0	-
14:25	-	0.1	14:25	0.0	0.0	-
14:26	-	0.1	14:26	0.0	0.0	-
14:27	-	0.1	14:27	0.0	0.0	-
14:28	-	0.1	14:28	0.0	0.0	-
14:29	-	0.1	14:29	0.0	0.0	-
14:30	-	0.1	14:30	0.0	0.0	-
14:31	-	0.1	14:31	0.0	0.0	-
14:32	-	0.1	14:32	0.0	0.0	-
14:33	-	0.1	14:33	0.0	0.0	-
14:34	-	0.1	14:34	0.0	0.0	-
14:35	-	0.1	14:35	0.0	0.0	-
14:36	-	0.1	14:36	0.0	0.0	-
14:37	-	0.1	14:37	0.0	0.0	-
14:38	-	0.1	14:38	0.0	0.0	-
14:39	-	0.1	14:39	0.0	0.0	-
14:40	-	0.1	14:40	0.0	0.0	-
14:41	-	0.1	14:41	0.0	0.0	-
14:42	-	0.1	14:42	0.0	0.0	-
14:43	-	0.1	14:43	0.0	0.0	-
14:44	-	0.1	14:44	0.0	0.0	-
14:45	-	0.1	14:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:46	-	0.1	14:46	0.0	0.0	-
14:47	-	0.1	14:47	0.0	0.0	-
14:48	-	0.1	14:48	0.0	0.0	-
14:49	-	0.1	14:49	0.0	0.0	-
14:50	-	0.1	14:50	0.0	0.0	-
14:51	-	0.1	14:51	0.0	0.0	-

DAILY FIELD REPORT 06

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 20, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	7:00 am to 1:00 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil boring with a AMS 9100 drilling rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH1_SB20 was completed to 32 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_SB20_3-4
    - PH1_SB20_10-12
    - PH1_SB20_16-18
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

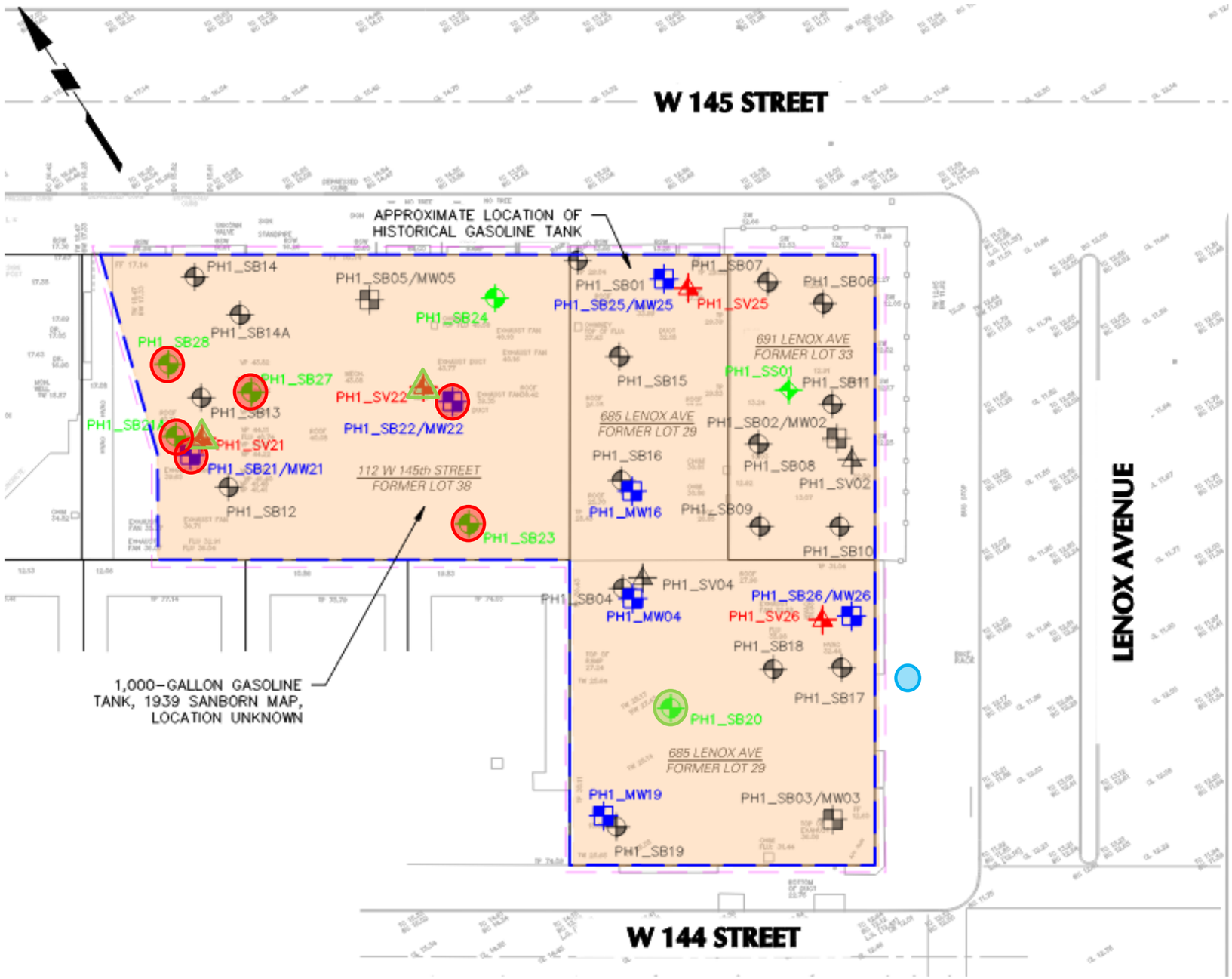
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-03-20 Daily Field Report_06

Photo Log

Photo 1: General view of the work area (facing northwest)	
Photo 2: View of Lakewood advancing soil boring PH1_SB20 (facing south)	

File Name: 2023-03-20 Daily Field Report_06

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/20/2023
Start: 7:35 AM
End: 12:19 PM
Observer: Jack Frey

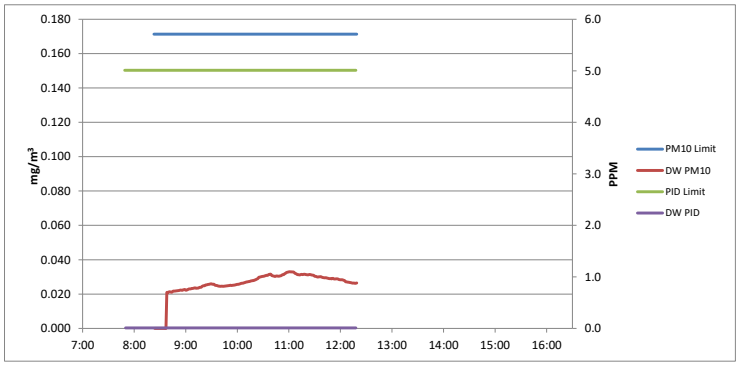
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0213	0.0209
Maximum 15min Average	0.0213	0.0330
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0190	0.0200
Maximum 1min Reading	0.0270	0.0400

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.000
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Monday, March 20, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						222
170635401						8:09
End Time:						12:19
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:09	0.021		8:09			
8:10	0.023		8:10			
8:11	0.022		8:11			
8:12	0.022		8:12			
8:13	0.021		8:13			
8:14	0.020		8:14			
8:15	0.02		8:15			
8:16	0.02		8:16			
8:17	0.02		8:17			
8:18	0.019		8:18			
8:19	0.027		8:19			
8:20	0.021		8:20			
8:21	0.02		8:21			
8:22	0.021		8:22			
8:23	0.02	0.021	8:23			
8:24		0.021	8:24	0.02	-	
8:25	-	0.021	8:25	0.02	-	
8:26	-	0.021	8:26	0.02	-	
8:27	-	0.021	8:27	0.023	-	
8:28	-	0.021	8:28	0.023	-	
8:29	-	0.021	8:29	0.021	-	
8:30	-	0.021	8:30	0.021	-	
8:31	-	0.021	8:31	0.021	-	
8:32	-	0.021	8:32	0.021	-	
8:33	-	0.021	8:33	0.02	-	
8:34	-	0.021	8:34	0.02	-	
8:35	-	0.021	8:35	0.021	-	
8:36	-	0.021	8:36	0.021	-	
8:37	-	0.021	8:37	0.021	-	
8:38	-	0.021	8:38	0.021	0.021	-
8:39	-	0.021	8:39	0.02	0.021	-
8:40	-	0.021	8:40	0.023	0.021	-
8:41	-	0.021	8:41	0.023	0.021	-
8:42	-	0.021	8:42	0.022	0.021	-
8:43	-	0.021	8:43	0.021	0.021	-
8:44	-	0.021	8:44	0.021	0.021	-
8:45	-	0.021	8:45	0.028	0.022	-
8:46	-	0.021	8:46	0.023	0.022	-
8:47	-	0.021	8:47	0.021	0.022	-
8:48	-	0.021	8:48	0.021	0.022	-
8:49	-	0.021	8:49	0.021	0.022	-
8:50	-	0.021	8:50	0.022	0.022	-
8:51	-	0.021	8:51	0.022	0.022	-
8:52	-	0.021	8:52	0.022	0.022	-
8:53	-	0.021	8:53	0.023	0.022	-
8:54	-	0.021	8:54	0.022	0.022	-
8:55	-	0.021	8:55	0.022	0.022	-
8:56	-	0.021	8:56	0.022	0.022	-
8:57	-	0.021	8:57	0.026	0.022	-
8:58	-	0.021	8:58	0.022	0.023	-
8:59	-	0.021	8:59	0.023	0.023	-
9:00	-	0.021	9:00	0.022	0.022	-
9:01	-	0.021	9:01	0.024	0.022	-
9:02	-	0.021	9:02	0.024	0.023	-
9:03	-	0.021	9:03	0.025	0.023	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:04	-	0.021	9:04	0.024	0.023	-
9:05	-	0.021	9:05	0.022	0.023	-
9:06	-	0.021	9:06	0.023	0.023	-
9:07	-	0.021	9:07	0.025	0.023	-
9:08	-	0.021	9:08	0.023	0.023	-
9:09	-	0.021	9:09	0.024	0.023	-
9:10	-	0.021	9:10	0.024	0.024	-
9:11	-	0.021	9:11	0.023	0.024	-
9:12	-	0.021	9:12	0.023	0.023	-
9:13	-	0.021	9:13	0.023	0.023	-
9:14	-	0.021	9:14	0.023	0.023	-
9:15	-	0.021	9:15	0.024	0.024	-
9:16	-	0.021	9:16	0.028	0.024	-
9:17	-	0.021	9:17	0.025	0.024	-
9:18	-	0.021	9:18	0.026	0.024	-
9:19	-	0.021	9:19	0.031	0.024	-
9:20	-	0.021	9:20	0.026	0.025	-
9:21	-	0.021	9:21	0.025	0.025	-
9:22	-	0.021	9:22	0.025	0.025	-
9:23	-	0.021	9:23	0.029	0.025	-
9:24	-	0.021	9:24	0.025	0.025	-
9:25	-	0.021	9:25	0.026	0.025	-
9:26	-	0.021	9:26	0.025	0.026	-
9:27	-	0.021	9:27	0.024	0.026	-
9:28	-	0.021	9:28	0.025	0.026	-
9:29	-	0.021	9:29	0.025	0.026	-
9:30	-	0.021	9:30	0.024	0.026	-
9:31	-	0.021	9:31	0.025	0.026	-
9:32	-	0.021	9:32	0.025	0.026	-
9:33	-	0.021	9:33	0.025	0.026	-
9:34	-	0.021	9:34	0.024	0.025	-
9:35	-	0.021	9:35	0.024	0.025	-
9:36	-	0.021	9:36	0.024	0.025	-
9:37	-	0.021	9:37	0.023	0.025	-
9:38	-	0.021	9:38	0.026	0.025	-
9:39	-	0.021	9:39	0.024	0.025	-
9:40	-	0.021	9:40	0.025	0.025	-
9:41	-	0.021	9:41	0.025	0.025	-
9:42	-	0.021	9:42	0.025	0.025	-
9:43	-	0.021	9:43	0.024	0.025	-
9:44	-	0.021	9:44	0.025	0.025	-
9:45	-	0.021	9:45	0.025	0.025	-
9:46	-	0.021	9:46	0.026	0.025	-
9:47	-	0.021	9:47	0.026	0.025	-
9:48	-	0.021	9:48	0.026	0.025	-
9:49	-	0.021	9:49	0.025	0.025	-
9:50	-	0.021	9:50	0.025	0.025	-
9:51	-	0.021	9:51	0.025	0.025	-
9:52	-	0.021	9:52	0.025	0.025	-
9:53	-	0.021	9:53	0.024	0.025	-
9:54	-	0.021	9:54	0.025	0.025	-
9:55	-	0.021	9:55	0.026	0.025	-
9:56	-	0.021	9:56	0.026	0.025	-
9:57	-	0.021	9:57	0.026	0.025	-
9:58	-	0.021	9:58	0.026	0.025	-
9:59	-	0.021	9:59	0.027	0.026	-
10:00	-	0.021	10:00	0.027	0.026	-
10:01	-	0.021	10:01	0.026	0.026	-
10:02	-	0.021	10:02	0.028	0.026	-
10:03	-	0.021	10:03	0.028	0.026	-
10:04	-	0.021	10:04	0.028	0.026	-
10:05	-	0.021	10:05	0.027	0.026	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:06	-	0.021	10:06	0.026	0.026	-
10:07	-	0.021	10:07	0.026	0.026	-
10:08	-	0.021	10:08	0.027	0.027	-
10:09	-	0.021	10:09	0.027	0.027	-
10:10	-	0.021	10:10	0.029	0.027	-
10:11	-	0.021	10:11	0.028	0.027	-
10:12	-	0.021	10:12	0.027	0.027	-
10:13	-	0.021	10:13	0.028	0.027	-
10:14	-	0.021	10:14	0.028	0.027	-
10:15	-	0.021	10:15	0.029	0.027	-
10:16	-	0.021	10:16	0.029	0.028	-
10:17	-	0.021	10:17	0.029	0.028	-
10:18	-	0.021	10:18	0.03	0.028	-
10:19	-	0.021	10:19	0.028	0.028	-
10:20	-	0.021	10:20	0.031	0.028	-
10:21	-	0.021	10:21	0.028	0.028	-
10:22	-	0.021	10:22	0.03	0.029	-
10:23	-	0.021	10:23	0.031	0.029	-
10:24	-	0.021	10:24	0.031	0.029	-
10:25	-	0.021	10:25	0.039	0.030	-
10:26	-	0.021	10:26	0.03	0.030	-
10:27	-	0.021	10:27	0.029	0.030	-
10:28	-	0.021	10:28	0.03	0.030	-
10:29	-	0.021	10:29	0.03	0.030	-
10:30	-	0.021	10:30	0.03	0.030	-
10:31	-	0.021	10:31	0.03	0.030	-
10:32	-	0.021	10:32	0.032	0.031	-
10:33	-	0.021	10:33	0.032	0.031	-
10:34	-	0.021	10:34	0.031	0.031	-
10:35	-	0.021	10:35	0.03	0.031	-
10:36	-	0.021	10:36	0.032	0.031	-
10:37	-	0.021	10:37	0.035	0.031	-
10:38	-	0.021	10:38	0.031	0.031	-
10:39	-	0.021	10:39	0.033	0.032	-
10:40	-	0.021	10:40	0.028	0.031	-
10:41	-	0.021	10:41	0.027	0.031	-
10:42	-	0.021	10:42	0.027	0.031	-
10:43	-	0.021	10:43	0.028	0.030	-
10:44	-	0.021	10:44	0.028	0.030	-
10:45	-	0.021	10:45	0.033	0.030	-
10:46	-	0.021	10:46	0.031	0.031	-
10:47	-	0.021	10:47	0.031	0.030	-
10:48	-	0.021	10:48	0.031	0.030	-
10:49	-	0.021	10:49	0.032	0.030	-
10:50	-	0.021	10:50	0.032	0.031	-
10:51	-	0.021	10:51	0.034	0.031	-
10:52	-	0.021	10:52	0.04	0.031	-
10:53	-	0.021	10:53	0.035	0.031	-
10:54	-	0.021	10:54	0.033	0.031	-
10:55	-	0.021	10:55	0.035	0.032	-
10:56	-	0.021	10:56	0.031	0.032	-
10:57	-	0.021	10:57	0.033	0.032	-
10:58	-	0.021	10:58	0.031	0.033	-
10:59	-	0.021	10:59	0.03	0.033	-
11:00	-	0.021	11:00	0.035	0.033	-
11:01	-	0.021	11:01	0.032	0.033	-
11:02	-	0.021	11:02	0.03	0.033	-
11:03	-	0.021	11:03	0.031	0.033	-
11:04	-	0.021	11:04	0.031	0.033	-
11:05	-	0.021	11:05	0.032	0.033	-
11:06	-	0.021	11:06	0.031	0.033	-
11:07	-	0.021	11:07	0.032	0.032	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:08	-	0.021	11:08	0.032	0.032	-
11:09	-	0.021	11:09	0.029	0.032	-
11:10	-	0.021	11:10	0.03	0.031	-
11:11	-	0.021	11:11	0.031	0.031	-
11:12	-	0.021	11:12	0.031	0.031	-
11:13	-	0.021	11:13	0.031	0.031	-
11:14	-	0.021	11:14	0.033	0.031	-
11:15	-	0.021	11:15	0.036	0.031	-
11:16	-	0.021	11:16	0.03	0.031	-
11:17	-	0.021	11:17	0.032	0.031	-
11:18	-	0.021	11:18	0.032	0.032	-
11:19	-	0.021	11:19	0.03	0.031	-
11:20	-	0.021	11:20	0.03	0.031	-
11:21	-	0.021	11:21	0.03	0.031	-
11:22	-	0.021	11:22	0.031	0.031	-
11:23	-	0.021	11:23	0.033	0.031	-
11:24	-	0.021	11:24	0.031	0.031	-
11:25	-	0.021	11:25	0.029	0.031	-
11:26	-	0.021	11:26	0.029	0.031	-
11:27	-	0.021	11:27	0.029	0.031	-
11:28	-	0.021	11:28	0.03	0.031	-
11:29	-	0.021	11:29	0.031	0.031	-
11:30	-	0.021	11:30	0.029	0.030	-
11:31	-	0.021	11:31	0.029	0.030	-
11:32	-	0.021	11:32	0.03	0.030	-
11:33	-	0.021	11:33	0.029	0.030	-
11:34	-	0.021	11:34	0.029	0.030	-
11:35	-	0.021	11:35	0.032	0.030	-
11:36	-	0.021	11:36	0.03	0.030	-
11:37	-	0.021	11:37	0.032	0.030	-
11:38	-	0.021	11:38	0.03	0.030	-
11:39	-	0.021	11:39	0.028	0.030	-
11:40	-	0.021	11:40	0.027	0.030	-
11:41	-	0.021	11:41	0.028	0.030	-
11:42	-	0.021	11:42	0.028	0.029	-
11:43	-	0.021	11:43	0.031	0.030	-
11:44	-	0.021	11:44	0.029	0.029	-
11:45	-	0.021	11:45	0.027	0.029	-
11:46	-	0.021	11:46	0.027	0.029	-
11:47	-	0.021	11:47	0.028	0.029	-
11:48	-	0.021	11:48	0.029	0.029	-
11:49	-	0.021	11:49	0.029	0.029	-
11:50	-	0.021	11:50	0.03	0.029	-
11:51	-	0.021	11:51	0.035	0.029	-
11:52	-	0.021	11:52	0.028	0.029	-
11:53	-	0.021	11:53	0.028	0.029	-
11:54	-	0.021	11:54	0.028	0.029	-
11:55	-	0.021	11:55	0.028	0.029	-
11:56	-	0.021	11:56	0.028	0.029	-
11:57	-	0.021	11:57	0.027	0.029	-
11:58	-	0.021	11:58	0.027	0.029	-
11:59	-	0.021	11:59	0.027	0.028	-
12:00	-	0.021	12:00	0.026	0.028	-
12:01	-	0.021	12:01	0.027	0.028	-
12:02	-	0.021	12:02	0.028	0.028	-
12:03	-	0.021	12:03	0.027	0.028	-
12:04	-	0.021	12:04	0.026	0.028	-
12:05	-	0.021	12:05	0.027	0.028	-
12:06	-	0.021	12:06	0.026	0.027	-
12:07	-	0.021	12:07	0.027	0.027	-
12:08	-	0.021	12:08	0.026	0.027	-
12:09	-	0.021	12:09	0.027	0.027	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:10	-	0.021	12:10	0.027	0.027	-
12:11	-	0.021	12:11	0.026	0.027	-
12:12	-	0.021	12:12	0.026	0.027	-
12:13	-	0.021	12:13	0.025	0.027	-
12:14	-	0.021	12:14	0.025	0.026	-
12:15	-	0.021	12:15	0.026	0.026	-
12:16	-	0.021	12:16	0.027	0.026	-
12:17	-	0.021	12:17	0.026	0.026	-
12:18	-	0.021	12:18	0.028	0.026	-
12:19	-	0.021	12:19	0.028	0.026	-

Monday, March 20, 2023						
				Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =		0
				Number of Comparable Data Points =		269
				170635401		7:35
				End Time:		13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0		7:45			
7:46	0.0		7:46			
7:47	0.0		7:47			
7:48	0.0		7:48			
7:49	0.0	0.0	7:49			
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.0	-	-
7:59	-	0.0	7:59	0.0	-	-
8:00	-	0.0	8:00	0.0	-	-
8:01	-	0.0	8:01	0.0	-	-
8:02	-	0.0	8:02	0.0	-	-
8:03	-	0.0	8:03	0.0	-	-
8:04	-	0.0	8:04	0.0	0.0	-
8:05	-	0.0	8:05	0.0	0.0	-
8:06	-	0.0	8:06	0.0	0.0	-
8:07	-	0.0	8:07	0.0	0.0	-
8:08	-	0.0	8:08	0.0	0.0	-
8:09	-	0.0	8:09	0.0	0.0	-
8:10	-	0.0	8:10	0.0	0.0	-
8:11	-	0.0	8:11	0.0	0.0	-
8:12	-	0.0	8:12	0.0	0.0	-
8:13	-	0.0	8:13	0.0	0.0	-
8:14	-	0.0	8:14	0.0	0.0	-
8:15	-	0.0	8:15	0.0	0.0	-
8:16	-	0.0	8:16	0.0	0.0	-
8:17	-	0.0	8:17	0.0	0.0	-
8:18	-	0.0	8:18	0.0	0.0	-
8:19	-	0.0	8:19	0.0	0.0	-
8:20	-	0.0	8:20	0.0	0.0	-
8:21	-	0.0	8:21	0.0	0.0	-
8:22	-	0.0	8:22	0.0	0.0	-
8:23	-	0.0	8:23	0.0	0.0	-
8:24	-	0.0	8:24	0.0	0.0	-
8:25	-	0.0	8:25	0.0	0.0	-
8:26	-	0.0	8:26	0.0	0.0	-
8:27	-	0.0	8:27	0.0	0.0	-
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.0	0.0	-
8:50	-	0.0	8:50	0.0	0.0	-
8:51	-	0.0	8:51	0.0	0.0	-
8:52	-	0.0	8:52	0.0	0.0	-
8:53	-	0.0	8:53	0.0	0.0	-
8:54	-	0.0	8:54	0.0	0.0	-
8:55	-	0.0	8:55	0.0	0.0	-
8:56	-	0.0	8:56	0.0	0.0	-
8:57	-	0.0	8:57	0.0	0.0	-
8:58	-	0.0	8:58	0.0	0.0	-
8:59	-	0.0	8:59	0.0	0.0	-
9:00	-	0.0	9:00	0.0	0.0	-
9:01	-	0.0	9:01	0.0	0.0	-
9:02	-	0.0	9:02	0.0	0.0	-
9:03	-	0.0	9:03	0.0	0.0	-
9:04	-	0.0	9:04	0.0	0.0	-
9:05	-	0.0	9:05	0.0	0.0	-
9:06	-	0.0	9:06	0.0	0.0	-
9:07	-	0.0	9:07	0.0	0.0	-
9:08	-	0.0	9:08	0.0	0.0	-
9:09	-	0.0	9:09	0.0	0.0	-
9:10	-	0.0	9:10	0.0	0.0	-
9:11	-	0.0	9:11	0.0	0.0	-
9:12	-	0.0	9:12	0.0	0.0	-
9:13	-	0.0	9:13	0.0	0.0	-
9:14	-	0.0	9:14	0.0	0.0	-
9:15	-	0.0	9:15	0.0	0.0	-
9:16	-	0.0	9:16	0.0	0.0	-
9:17	-	0.0	9:17	0.0	0.0	-
9:18	-	0.0	9:18	0.0	0.0	-
9:19	-	0.0	9:19	0.0	0.0	-
9:20	-	0.0	9:20	0.0	0.0	-
9:21	-	0.0	9:21	0.0	0.0	-
9:22	-	0.0	9:22	0.0	0.0	-
9:23	-	0.0	9:23	0.0	0.0	-
9:24	-	0.0	9:24	0.0	0.0	-
9:25	-	0.0	9:25	0.0	0.0	-
9:26	-	0.0	9:26	0.0	0.0	-
9:27	-	0.0	9:27	0.0	0.0	-
9:28	-	0.0	9:28	0.0	0.0	-
9:29	-	0.0	9:29	0.0	0.0	-
9:30	-	0.0	9:30	0.0	0.0	-
9:31	-	0.0	9:31	0.0	0.0	-
9:32	-	0.0	9:32	0.0	0.0	-
9:33	-	0.0	9:33	0.0	0.0	-
9:34	-	0.0	9:34	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:35	-	0.0	9:35	0.0	0.0	-
9:36	-	0.0	9:36	0.0	0.0	-
9:37	-	0.0	9:37	0.0	0.0	-
9:38	-	0.0	9:38	0.0	0.0	-
9:39	-	0.0	9:39	0.0	0.0	-
9:40	-	0.0	9:40	0.0	0.0	-
9:41	-	0.0	9:41	0.0	0.0	-
9:42	-	0.0	9:42	0.0	0.0	-
9:43	-	0.0	9:43	0.0	0.0	-
9:44	-	0.0	9:44	0.0	0.0	-
9:45	-	0.0	9:45	0.0	0.0	-
9:46	-	0.0	9:46	0.0	0.0	-
9:47	-	0.0	9:47	0.0	0.0	-
9:48	-	0.0	9:48	0.0	0.0	-
9:49	-	0.0	9:49	0.0	0.0	-
9:50	-	0.0	9:50	0.0	0.0	-
9:51	-	0.0	9:51	0.0	0.0	-
9:52	-	0.0	9:52	0.0	0.0	-
9:53	-	0.0	9:53	0.0	0.0	-
9:54	-	0.0	9:54	0.0	0.0	-
9:55	-	0.0	9:55	0.0	0.0	-
9:56	-	0.0	9:56	0.0	0.0	-
9:57	-	0.0	9:57	0.0	0.0	-
9:58	-	0.0	9:58	0.0	0.0	-
9:59	-	0.0	9:59	0.0	0.0	-
10:00	-	0.0	10:00	0.0	0.0	-
10:01	-	0.0	10:01	0.0	0.0	-
10:02	-	0.0	10:02	0.0	0.0	-
10:03	-	0.0	10:03	0.0	0.0	-
10:04	-	0.0	10:04	0.0	0.0	-
10:05	-	0.0	10:05	0.0	0.0	-
10:06	-	0.0	10:06	0.0	0.0	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.0	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.0	0.0	-
10:27	-	0.0	10:27	0.0	0.0	-
10:28	-	0.0	10:28	0.0	0.0	-
10:29	-	0.0	10:29	0.0	0.0	-
10:30	-	0.0	10:30	0.0	0.0	-
10:31	-	0.0	10:31	0.0	0.0	-
10:32	-	0.0	10:32	0.0	0.0	-
10:33	-	0.0	10:33	0.0	0.0	-
10:34	-	0.0	10:34	0.0	0.0	-
10:35	-	0.0	10:35	0.0	0.0	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-
12:00	-	0.0	12:00	0.0	0.0	-
12:01	-	0.0	12:01	0.0	0.0	-
12:02	-	0.0	12:02	0.0	0.0	-
12:03	-	0.0	12:03	0.0	0.0	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.0	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-

DAILY FIELD REPORT 07

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 21, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	7:00 am to 1:00 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood installed groundwater monitoring well PH1_MW19 by advancing 6.5-inch outer diameter by 4-foot-long hollow stem augers to 18 feet below grade surface (bgs). The well was installed to about 18 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 8 to 18 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 6 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.
- Lakewood developed groundwater monitoring wells PH1_MW19, PH1_MW21, and PH1_MW22. About 8 gallons of purged groundwater water was generated from each monitoring well and containerized on-site in a 55-gallon drum pending off-site disposal. Petroleum-like odors were not observed in the purged groundwater from any of the monitoring wells.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SS01
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

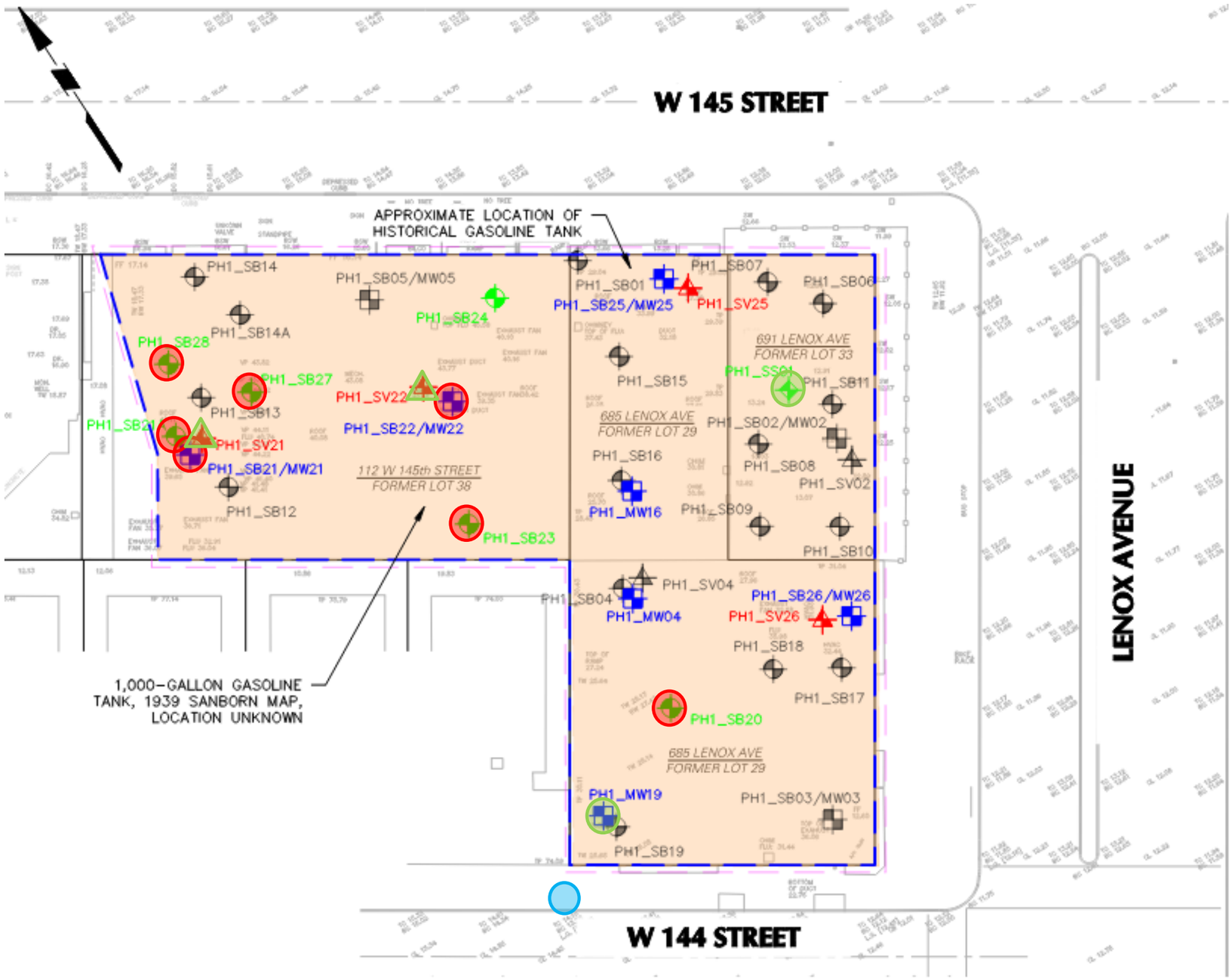
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-03-21 Daily Field Report_07

Photo Log

Photo 1: View of Lakewood installing groundwater monitoring well PH1_MW19 (facing northeast)	
Photo 2: View of Lakewood developing groundwater monitoring well PH1_MW22 (facing southeast)	

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/21/2023
Start: 7:56 AM
End: 10:55 AM
Observer: Jack Frey

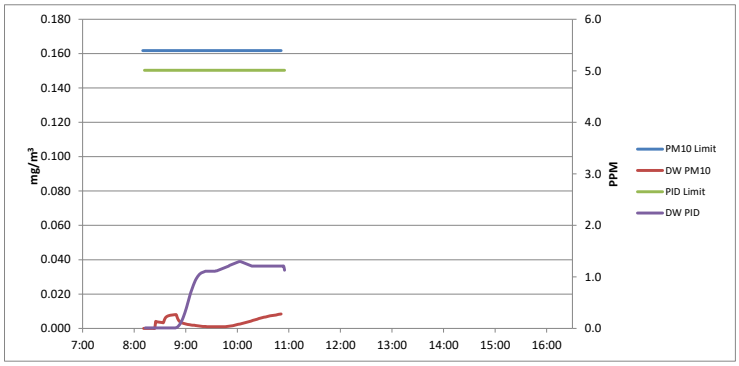
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0118	0.0010
Maximum 15min Average	0.0118	0.0084
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0050	0.0010
Maximum 1min Reading	0.0060	0.0250

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.850
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	1.2867
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	1.300

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Tuesday, March 21, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						147
170635401						7:56
End Time:						10:51
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
7:56	0.037		7:56			
7:57	0.022		7:57			
7:58	0.014		7:58			
7:59	0.011		7:59			
8:00	0.009		8:00			
8:01	0.009		8:01			
8:02	0.008		8:02			
8:03	0.007		8:03			
8:04	0.007		8:04			
8:05	0.006		8:05			
8:06	0.006		8:06			
8:07	0.005		8:07			
8:08	0.005		8:08			
8:09	0.005		8:09			
8:10	0.005	0.012	8:10			
8:11		0.012	8:11	0.005	-	
8:12	-	0.012	8:12	0.005	-	
8:13	-	0.012	8:13	0.004	-	
8:14	-	0.012	8:14	0.004	-	
8:15	-	0.012	8:15	0.004	-	
8:16	-	0.012	8:16	0.004	-	
8:17	-	0.012	8:17	0.004	-	
8:18	-	0.012	8:18	0.004	-	
8:19	-	0.012	8:19	0.004	-	
8:20	-	0.012	8:20	0.004	-	
8:21	-	0.012	8:21	0.004	-	
8:22	-	0.012	8:22	0.004	-	
8:23	-	0.012	8:23	0.004	-	
8:24	-	0.012	8:24	0.004	-	
8:25	-	0.012	8:25	0.003	0.004	-
8:26	-	0.012	8:26	0.003	0.004	-
8:27	-	0.012	8:27	0.003	0.004	-
8:28	-	0.012	8:28	0.003	0.004	-
8:29	-	0.012	8:29	0.003	0.004	-
8:30	-	0.012	8:30	0.003	0.004	-
8:31	-	0.012	8:31	0.003	0.004	-
8:32	-	0.012	8:32	0.003	0.003	-
8:33	-	0.012	8:33	0.003	0.003	-
8:34	-	0.012	8:34	0.003	0.003	-
8:35	-	0.012	8:35	0.025	0.005	-
8:36	-	0.012	8:36	0.021	0.006	-
8:37	-	0.012	8:37	0.014	0.007	-
8:38	-	0.012	8:38	0.01	0.007	-
8:39	-	0.012	8:39	0.008	0.007	-
8:40	-	0.012	8:40	0.006	0.007	-
8:41	-	0.012	8:41	0.005	0.008	-
8:42	-	0.012	8:42	0.005	0.008	-
8:43	-	0.012	8:43	0.004	0.008	-
8:44	-	0.012	8:44	0.004	0.008	-
8:45	-	0.012	8:45	0.004	0.008	-
8:46	-	0.012	8:46	0.004	0.008	-
8:47	-	0.012	8:47	0.004	0.008	-
8:48	-	0.012	8:48	0.003	0.008	-
8:49	-	0.012	8:49	0.003	0.008	-
8:50	-	0.012	8:50	0.003	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:51	-	0.012	8:51	0.003	0.005	-
8:52	-	0.012	8:52	0.002	0.005	-
8:53	-	0.012	8:53	0.002	0.004	-
8:54	-	0.012	8:54	0.002	0.004	-
8:55	-	0.012	8:55	0.002	0.003	-
8:56	-	0.012	8:56	0.003	0.003	-
8:57	-	0.012	8:57	0.002	0.003	-
8:58	-	0.012	8:58	0.002	0.003	-
8:59	-	0.012	8:59	0.002	0.003	-
9:00	-	0.012	9:00	0.002	0.003	-
9:01	-	0.012	9:01	0.002	0.002	-
9:02	-	0.012	9:02	0.002	0.002	-
9:03	-	0.012	9:03	0.002	0.002	-
9:04	-	0.012	9:04	0.002	0.002	-
9:05	-	0.012	9:05	0.002	0.002	-
9:06	-	0.012	9:06	0.001	0.002	-
9:07	-	0.012	9:07	0.001	0.002	-
9:08	-	0.012	9:08	0.001	0.002	-
9:09	-	0.012	9:09	0.002	0.002	-
9:10	-	0.012	9:10	0.002	0.002	-
9:11	-	0.012	9:11	0.001	0.002	-
9:12	-	0.012	9:12	0.001	0.002	-
9:13	-	0.012	9:13	0.001	0.002	-
9:14	-	0.012	9:14	0.001	0.002	-
9:15	-	0.012	9:15	0.001	0.001	-
9:16	-	0.012	9:16	0.001	0.001	-
9:17	-	0.012	9:17	0.001	0.001	-
9:18	-	0.012	9:18	0.001	0.001	-
9:19	-	0.012	9:19	0.001	0.001	-
9:20	-	0.012	9:20	0.001	0.001	-
9:21	-	0.012	9:21	0.001	0.001	-
9:22	-	0.012	9:22	0.001	0.001	-
9:23	-	0.012	9:23	0.001	0.001	-
9:24	-	0.012	9:24	0.001	0.001	-
9:25	-	0.012	9:25	0.001	0.001	-
9:26	-	0.012	9:26	0.001	0.001	-
9:27	-	0.012	9:27	0.001	0.001	-
9:28	-	0.012	9:28	0.001	0.001	-
9:29	-	0.012	9:29	0.001	0.001	-
9:30	-	0.012	9:30	0.001	0.001	-
9:31	-	0.012	9:31	0.001	0.001	-
9:32	-	0.012	9:32	0.001	0.001	-
9:33	-	0.012	9:33	0.001	0.001	-
9:34	-	0.012	9:34	0.001	0.001	-
9:35	-	0.012	9:35	0.001	0.001	-
9:36	-	0.012	9:36	0.001	0.001	-
9:37	-	0.012	9:37	0.001	0.001	-
9:38	-	0.012	9:38	0.001	0.001	-
9:39	-	0.012	9:39	0.001	0.001	-
9:40	-	0.012	9:40	0.001	0.001	-
9:41	-	0.012	9:41	0.001	0.001	-
9:42	-	0.012	9:42	0.001	0.001	-
9:43	-	0.012	9:43	0.001	0.001	-
9:44	-	0.012	9:44	0.001	0.001	-
9:45	-	0.012	9:45	0.001	0.001	-
9:46	-	0.012	9:46	0.001	0.001	-
9:47	-	0.012	9:47	0.002	0.001	-
9:48	-	0.012	9:48	0.002	0.001	-
9:49	-	0.012	9:49	0.002	0.001	-
9:50	-	0.012	9:50	0.002	0.001	-
9:51	-	0.012	9:51	0.002	0.001	-
9:52	-	0.012	9:52	0.002	0.001	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:53	-	0.012	9:53	0.002	0.001	-
9:54	-	0.012	9:54	0.002	0.002	-
9:55	-	0.012	9:55	0.002	0.002	-
9:56	-	0.012	9:56	0.003	0.002	-
9:57	-	0.012	9:57	0.003	0.002	-
9:58	-	0.012	9:58	0.003	0.002	-
9:59	-	0.012	9:59	0.003	0.002	-
10:00	-	0.012	10:00	0.003	0.002	-
10:01	-	0.012	10:01	0.003	0.002	-
10:02	-	0.012	10:02	0.003	0.002	-
10:03	-	0.012	10:03	0.003	0.003	-
10:04	-	0.012	10:04	0.004	0.003	-
10:05	-	0.012	10:05	0.004	0.003	-
10:06	-	0.012	10:06	0.004	0.003	-
10:07	-	0.012	10:07	0.004	0.003	-
10:08	-	0.012	10:08	0.004	0.003	-
10:09	-	0.012	10:09	0.004	0.003	-
10:10	-	0.012	10:10	0.004	0.003	-
10:11	-	0.012	10:11	0.005	0.004	-
10:12	-	0.012	10:12	0.005	0.004	-
10:13	-	0.012	10:13	0.005	0.004	-
10:14	-	0.012	10:14	0.005	0.004	-
10:15	-	0.012	10:15	0.005	0.004	-
10:16	-	0.012	10:16	0.005	0.004	-
10:17	-	0.012	10:17	0.006	0.004	-
10:18	-	0.012	10:18	0.006	0.005	-
10:19	-	0.012	10:19	0.006	0.005	-
10:20	-	0.012	10:20	0.006	0.005	-
10:21	-	0.012	10:21	0.006	0.005	-
10:22	-	0.012	10:22	0.006	0.005	-
10:23	-	0.012	10:23	0.006	0.005	-
10:24	-	0.012	10:24	0.007	0.006	-
10:25	-	0.012	10:25	0.007	0.006	-
10:26	-	0.012	10:26	0.007	0.006	-
10:27	-	0.012	10:27	0.007	0.006	-
10:28	-	0.012	10:28	0.007	0.006	-
10:29	-	0.012	10:29	0.007	0.006	-
10:30	-	0.012	10:30	0.007	0.006	-
10:31	-	0.012	10:31	0.007	0.007	-
10:32	-	0.012	10:32	0.007	0.007	-
10:33	-	0.012	10:33	0.007	0.007	-
10:34	-	0.012	10:34	0.008	0.007	-
10:35	-	0.012	10:35	0.008	0.007	-
10:36	-	0.012	10:36	0.008	0.007	-
10:37	-	0.012	10:37	0.008	0.007	-
10:38	-	0.012	10:38	0.008	0.007	-
10:39	-	0.012	10:39	0.008	0.007	-
10:40	-	0.012	10:40	0.008	0.007	-
10:41	-	0.012	10:41	0.008	0.008	-
10:42	-	0.012	10:42	0.008	0.008	-
10:43	-	0.012	10:43	0.008	0.008	-
10:44	-	0.012	10:44	0.008	0.008	-
10:45	-	0.012	10:45	0.008	0.008	-
10:46	-	0.012	10:46	0.009	0.008	-
10:47	-	0.012	10:47	0.009	0.008	-
10:48	-	0.012	10:48	0.009	0.008	-
10:49	-	0.012	10:49	0.009	0.008	-
10:50	-	0.012	10:50	0.009	0.008	-
10:51	-	0.012	10:51	0.009	0.008	-

Tuesday, March 21, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						163
170635401						7:58
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:58	0.0		7:58			
7:59	0.0		7:59			
8:00	0.0		8:00			
8:01	0.0		8:01			
8:02	0.0		8:02			
8:03	0.0		8:03			
8:04	0.0		8:04			
8:05	0.0		8:05			
8:06	0.0		8:06			
8:07	0.0		8:07			
8:08	0.0		8:08			
8:09	0.0		8:09			
8:10	0.0		8:10			
8:11	0.0		8:11			
8:12	0.0	0.0	8:12			
8:13	-	0.0	8:13	0.0	-	-
8:14	-	0.0	8:14	0.0	-	-
8:15	-	0.0	8:15	0.0	-	-
8:16	-	0.0	8:16	0.0	-	-
8:17	-	0.0	8:17	0.0	-	-
8:18	-	0.0	8:18	0.0	-	-
8:19	-	0.0	8:19	0.0	-	-
8:20	-	0.0	8:20	0.0	-	-
8:21	-	0.0	8:21	0.0	-	-
8:22	-	0.0	8:22	0.0	-	-
8:23	-	0.0	8:23	0.0	-	-
8:24	-	0.0	8:24	0.0	-	-
8:25	-	0.0	8:25	0.0	-	-
8:26	-	0.0	8:26	0.0	-	-
8:27	-	0.0	8:27	0.0	0.0	-
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.1	0.0	-
8:50	-	0.0	8:50	0.1	0.0	-
8:51	-	0.0	8:51	0.2	0.0	-
8:52	-	0.0	8:52	0.3	0.0	-
8:53	-	0.0	8:53	0.3	0.1	-
8:54	-	0.0	8:54	0.4	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:55	-	0.0	8:55	0.5	0.1	-
8:56	-	0.0	8:56	0.5	0.2	-
8:57	-	0.0	8:57	0.6	0.2	-
8:58	-	0.0	8:58	0.7	0.2	-
8:59	-	0.0	8:59	0.7	0.3	-
9:00	-	0.0	9:00	0.8	0.3	-
9:01	-	0.0	9:01	0.8	0.4	-
9:02	-	0.0	9:02	0.9	0.5	-
9:03	-	0.0	9:03	0.9	0.5	-
9:04	-	0.0	9:04	1.0	0.6	-
9:05	-	0.0	9:05	1.0	0.6	-
9:06	-	0.0	9:06	1.0	0.7	-
9:07	-	0.0	9:07	1.0	0.7	-
9:08	-	0.0	9:08	1.0	0.8	-
9:09	-	0.0	9:09	1.1	0.8	-
9:10	-	0.0	9:10	1.1	0.9	-
9:11	-	0.0	9:11	1.1	0.9	-
9:12	-	0.0	9:12	1.1	0.9	-
9:13	-	0.0	9:13	1.1	1.0	-
9:14	-	0.0	9:14	1.1	1.0	-
9:15	-	0.0	9:15	1.1	1.0	-
9:16	-	0.0	9:16	1.1	1.0	-
9:17	-	0.0	9:17	1.1	1.1	-
9:18	-	0.0	9:18	1.1	1.1	-
9:19	-	0.0	9:19	1.1	1.1	-
9:20	-	0.0	9:20	1.1	1.1	-
9:21	-	0.0	9:21	1.1	1.1	-
9:22	-	0.0	9:22	1.1	1.1	-
9:23	-	0.0	9:23	1.1	1.1	-
9:24	-	0.0	9:24	1.1	1.1	-
9:25	-	0.0	9:25	1.1	1.1	-
9:26	-	0.0	9:26	1.1	1.1	-
9:27	-	0.0	9:27	1.1	1.1	-
9:28	-	0.0	9:28	1.1	1.1	-
9:29	-	0.0	9:29	1.1	1.1	-
9:30	-	0.0	9:30	1.1	1.1	-
9:31	-	0.0	9:31	1.1	1.1	-
9:32	-	0.0	9:32	1.1	1.1	-
9:33	-	0.0	9:33	1.1	1.1	-
9:34	-	0.0	9:34	1.1	1.1	-
9:35	-	0.0	9:35	1.2	1.1	-
9:36	-	0.0	9:36	1.1	1.1	-
9:37	-	0.0	9:37	1.2	1.1	-
9:38	-	0.0	9:38	1.2	1.1	-
9:39	-	0.0	9:39	1.2	1.1	-
9:40	-	0.0	9:40	1.2	1.1	-
9:41	-	0.0	9:41	1.2	1.1	-
9:42	-	0.0	9:42	1.2	1.1	-
9:43	-	0.0	9:43	1.2	1.2	-
9:44	-	0.0	9:44	1.2	1.2	-
9:45	-	0.0	9:45	1.2	1.2	-
9:46	-	0.0	9:46	1.2	1.2	-
9:47	-	0.0	9:47	1.2	1.2	-
9:48	-	0.0	9:48	1.2	1.2	-
9:49	-	0.0	9:49	1.2	1.2	-
9:50	-	0.0	9:50	1.3	1.2	-
9:51	-	0.0	9:51	1.3	1.2	-
9:52	-	0.0	9:52	1.3	1.2	-
9:53	-	0.0	9:53	1.3	1.2	-
9:54	-	0.0	9:54	1.3	1.2	-
9:55	-	0.0	9:55	1.3	1.2	-
9:56	-	0.0	9:56	1.3	1.2	-
9:57	-	0.0	9:57	1.3	1.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:58	-	0.0	9:58	1.3	1.3	-
9:59	-	0.0	9:59	1.3	1.3	-
10:00	-	0.0	10:00	1.3	1.3	-
10:01	-	0.0	10:01	1.3	1.3	-
10:02	-	0.0	10:02	1.3	1.3	-
10:03	-	0.0	10:03	1.2	1.3	-
10:04	-	0.0	10:04	1.2	1.3	-
10:05	-	0.0	10:05	1.2	1.3	-
10:06	-	0.0	10:06	1.2	1.3	-
10:07	-	0.0	10:07	1.2	1.3	-
10:08	-	0.0	10:08	1.2	1.3	-
10:09	-	0.0	10:09	1.2	1.3	-
10:10	-	0.0	10:10	1.2	1.2	-
10:11	-	0.0	10:11	1.2	1.2	-
10:12	-	0.0	10:12	1.2	1.2	-
10:13	-	0.0	10:13	1.2	1.2	-
10:14	-	0.0	10:14	1.2	1.2	-
10:15	-	0.0	10:15	1.2	1.2	-
10:16	-	0.0	10:16	1.2	1.2	-
10:17	-	0.0	10:17	1.2	1.2	-
10:18	-	0.0	10:18	1.2	1.2	-
10:19	-	0.0	10:19	1.2	1.2	-
10:20	-	0.0	10:20	1.2	1.2	-
10:21	-	0.0	10:21	1.2	1.2	-
10:22	-	0.0	10:22	1.2	1.2	-
10:23	-	0.0	10:23	1.2	1.2	-
10:24	-	0.0	10:24	1.2	1.2	-
10:25	-	0.0	10:25	1.2	1.2	-
10:26	-	0.0	10:26	1.2	1.2	-
10:27	-	0.0	10:27	1.2	1.2	-
10:28	-	0.0	10:28	1.2	1.2	-
10:29	-	0.0	10:29	1.2	1.2	-
10:30	-	0.0	10:30	1.2	1.2	-
10:31	-	0.0	10:31	1.2	1.2	-
10:32	-	0.0	10:32	1.2	1.2	-
10:33	-	0.0	10:33	1.2	1.2	-
10:34	-	0.0	10:34	1.2	1.2	-
10:35	-	0.0	10:35	1.2	1.2	-
10:36	-	0.0	10:36	1.2	1.2	-
10:37	-	0.0	10:37	1.2	1.2	-
10:38	-	0.0	10:38	1.2	1.2	-
10:39	-	0.0	10:39	1.2	1.2	-
10:40	-	0.0	10:40	1.2	1.2	-
10:41	-	0.0	10:41	1.2	1.2	-
10:42	-	0.0	10:42	1.2	1.2	-
10:43	-	0.0	10:43	1.2	1.2	-
10:44	-	0.0	10:44	1.2	1.2	-
10:45	-	0.0	10:45	1.2	1.2	-
10:46	-	0.0	10:46	1.2	1.2	-
10:47	-	0.0	10:47	1.2	1.2	-
10:48	-	0.0	10:48	1.2	1.2	-
10:49	-	0.0	10:49	1.2	1.2	-
10:50	-	0.0	10:50	1.2	1.2	-
10:51	-	0.0	10:51	1.2	1.2	-
10:52	-	0.0	10:52	1.2	1.2	-
10:53	-	0.0	10:53	1.2	1.2	-
10:54	-	0.0	10:54	1.2	1.2	-
10:55	-	0.0	10:55	0.0	1.1	-

DAILY FIELD REPORT 08

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	April 2, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	9:00 am to 3:00 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) **Subcontractor:** Lakewood Environmental (Lakewood)		**Langan Field Personnel:** Seyena Simpson Jack Millman	

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced the following soil boring with a Geoprobe® 6610DT equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners:
    - Soil boring PH1_SB25 was completed to 30 feet below grade surface (bgs). Soil recovered did not exhibit signs of impacts.
- Lakewood converted soil boring PH1_SB25 into a 1-inch monitoring well PH1_MW25 by advancing 3.5-inch outer diameter by 4-foot-long macrocores to 19 feet bgs. The well was installed to about 19 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 9 to 19 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 7 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.
- Lakewood installed a 1-inch groundwater monitoring well PH1_MW16 by advancing 3.5-inch outer diameter by 4-foot-long macrocores to 18 feet bgs. The well was installed to about 18 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 8 to 18 feet bgs and a solid PVC riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 6 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB25_2-4
  - PH1_SB25_10-12
  - PH1_SB25_14-16
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

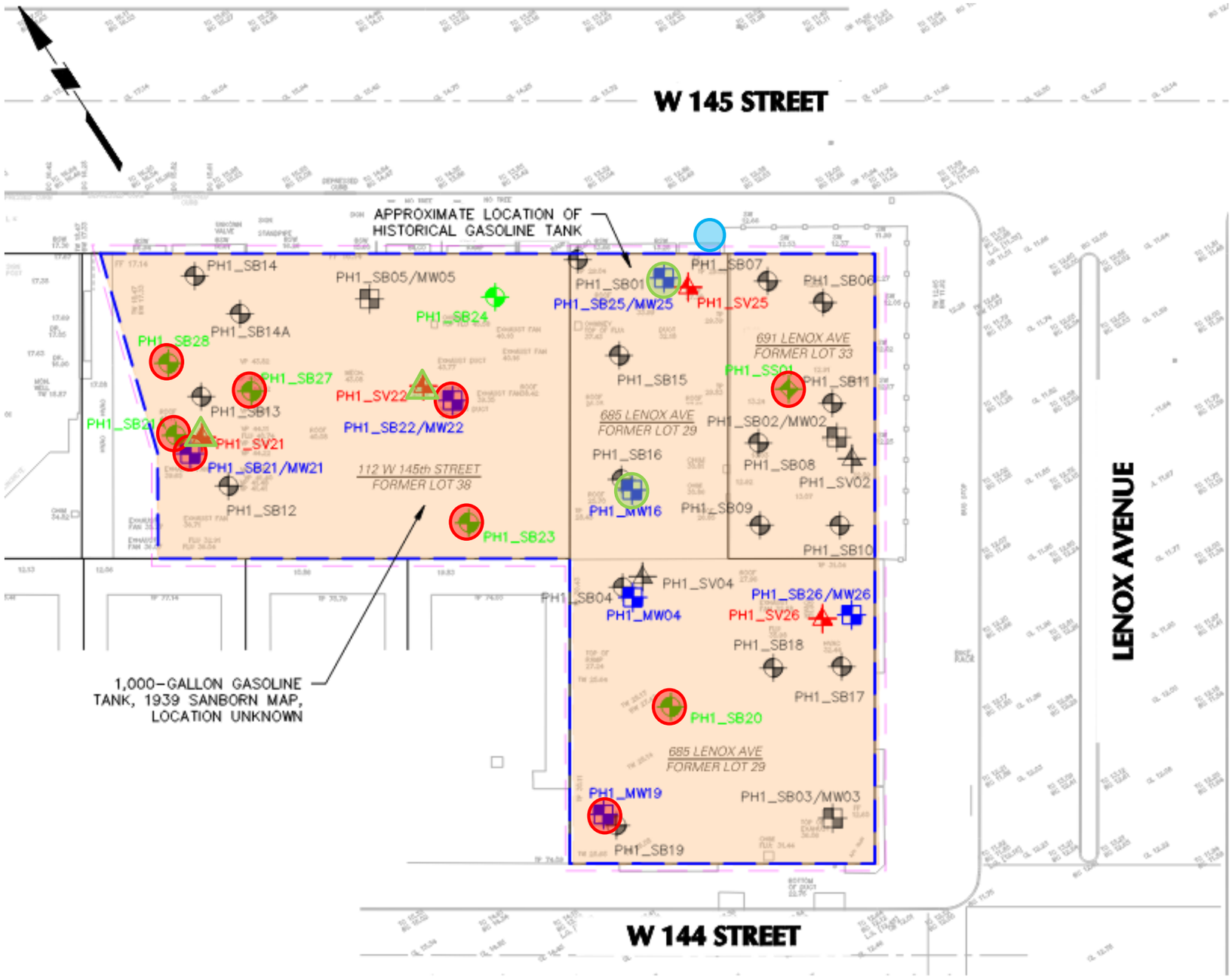
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).
  - Due to a technical issue, VOC data was not collected. A roaming handheld PID was used to monitor VOCs throughout the day. No odor was apparent on-site during ground intrusive activities.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN

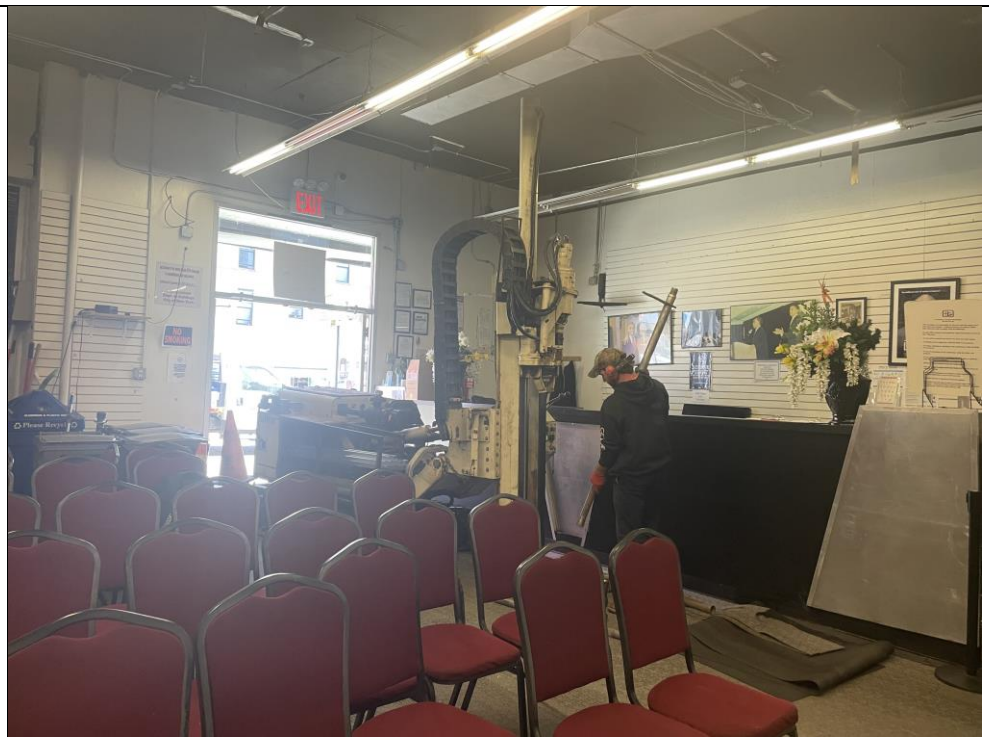
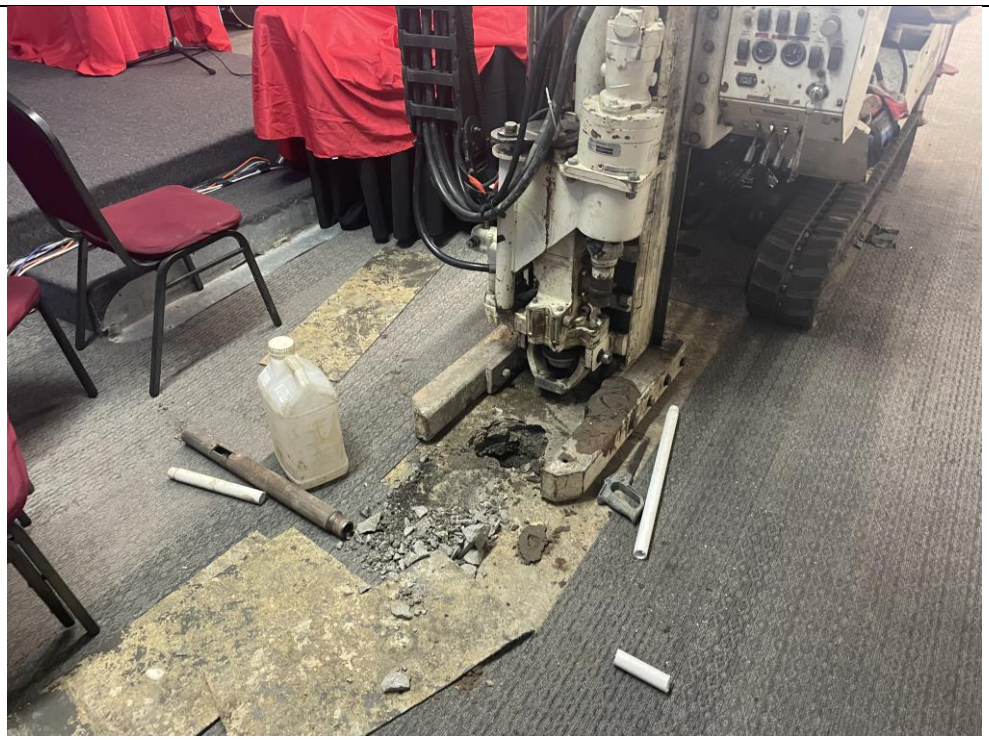


LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-04-02 Daily Field Report_08

Photo Log

Photo 1: View of Lakewood advancing soil boring PH1_SB25 (facing northeast)	
Photo 2: View of Lakewood installing groundwater monitoring well PH1_MW16 (facing north)	

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 4/2/2023
Start: 9:44 AM
End: 1:18 PM
Observer: Seyena Simpson

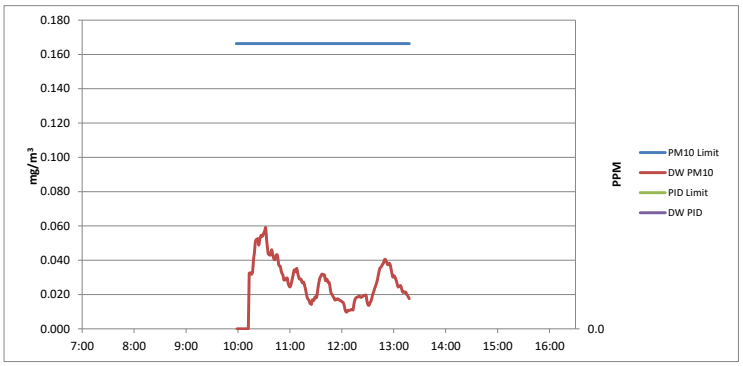
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0163	0.0099
Maximum 15min Average	0.0163	0.0589
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0140	0.0060
Maximum 1min Reading	0.0230	0.1200

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	#DIV/0!	#DIV/0!
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	#DIV/0!	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Tuesday, March 21, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						186
170635401						9:44
End Time:						13:18
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:44	0.012		9:44			
9:45	0.011		9:45			
9:46	0.012		9:46			
9:47	0.019		9:47			
9:48	0.015		9:48			
9:49	0.017		9:49			
9:50	0.023		9:50			
9:51	0.016		9:51			
9:52	0.015		9:52			
9:53	0.017		9:53			
9:54	0.02		9:54			
9:55	0.015		9:55			
9:56	0.014		9:56			
9:57	0.023		9:57			
9:58	0.016	0.016	9:58			
9:59		0.016	9:59	0.016	-	
10:00	-	0.016	10:00	0.013	-	
10:01	-	0.016	10:01	0.025	-	
10:02	-	0.016	10:02	0.022	-	
10:03	-	0.016	10:03	0.015	-	
10:04	-	0.016	10:04	0.034	-	
10:05	-	0.016	10:05	0.022	-	
10:06	-	0.016	10:06	0.033	-	
10:07	-	0.016	10:07	0.05	-	
10:08	-	0.016	10:08	0.018	-	
10:09	-	0.016	10:09	0.084	-	
10:10	-	0.016	10:10	0.036	-	
10:11	-	0.016	10:11	0.025	-	
10:12	-	0.016	10:12	0.029	-	
10:13	-	0.016	10:13	0.063	0.032	-
10:14	-	0.016	10:14	0.021	0.033	-
10:15	-	0.016	10:15	0.007	0.032	-
10:16	-	0.016	10:16	0.019	0.032	-
10:17	-	0.016	10:17	0.047	0.034	-
10:18	-	0.016	10:18	0.12	0.041	-
10:19	-	0.016	10:19	0.088	0.044	-
10:20	-	0.016	10:20	0.111	0.050	-
10:21	-	0.016	10:21	0.062	0.052	-
10:22	-	0.016	10:22	0.044	0.052	-
10:23	-	0.016	10:23	0.032	0.053	-
10:24	-	0.016	10:24	0.028	0.049	-
10:25	-	0.016	10:25	0.076	0.051	-
10:26	-	0.016	10:26	0.056	0.054	-
10:27	-	0.016	10:27	0.045	0.055	-
10:28	-	0.016	10:28	0.052	0.054	-
10:29	-	0.016	10:29	0.033	0.055	-
10:30	-	0.016	10:30	0.029	0.056	-
10:31	-	0.016	10:31	0.034	0.057	-
10:32	-	0.016	10:32	0.074	0.059	-
10:33	-	0.016	10:33	0.023	0.052	-
10:34	-	0.016	10:34	0.018	0.048	-
10:35	-	0.016	10:35	0.049	0.044	-
10:36	-	0.016	10:36	0.062	0.044	-
10:37	-	0.016	10:37	0.032	0.043	-
10:38	-	0.016	10:38	0.049	0.044	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:39	-	0.016	10:39	0.06	0.046	-
10:40	-	0.016	10:40	0.041	0.044	-
10:41	-	0.016	10:41	0.024	0.042	-
10:42	-	0.016	10:42	0.024	0.040	-
10:43	-	0.016	10:43	0.06	0.041	-
10:44	-	0.016	10:44	0.058	0.042	-
10:45	-	0.016	10:45	0.042	0.043	-
10:46	-	0.016	10:46	0.009	0.042	-
10:47	-	0.016	10:47	0.013	0.038	-
10:48	-	0.016	10:48	0.009	0.037	-
10:49	-	0.016	10:49	0.013	0.036	-
10:50	-	0.016	10:50	0.009	0.034	-
10:51	-	0.016	10:51	0.04	0.032	-
10:52	-	0.016	10:52	0.019	0.031	-
10:53	-	0.016	10:53	0.006	0.028	-
10:54	-	0.016	10:54	0.062	0.029	-
10:55	-	0.016	10:55	0.041	0.029	-
10:56	-	0.016	10:56	0.039	0.030	-
10:57	-	0.016	10:57	0.023	0.030	-
10:58	-	0.016	10:58	0.014	0.026	-
10:59	-	0.016	10:59	0.039	0.025	-
11:00	-	0.016	11:00	0.03	0.024	-
11:01	-	0.016	11:01	0.023	0.025	-
11:02	-	0.016	11:02	0.044	0.027	-
11:03	-	0.016	11:03	0.043	0.030	-
11:04	-	0.016	11:04	0.048	0.032	-
11:05	-	0.016	11:05	0.045	0.034	-
11:06	-	0.016	11:06	0.027	0.034	-
11:07	-	0.016	11:07	0.017	0.033	-
11:08	-	0.016	11:08	0.034	0.035	-
11:09	-	0.016	11:09	0.019	0.032	-
11:10	-	0.016	11:10	0.014	0.031	-
11:11	-	0.016	11:11	0.017	0.029	-
11:12	-	0.016	11:12	0.02	0.029	-
11:13	-	0.016	11:13	0.013	0.029	-
11:14	-	0.016	11:14	0.014	0.027	-
11:15	-	0.016	11:15	0.023	0.027	-
11:16	-	0.016	11:16	0.029	0.027	-
11:17	-	0.016	11:17	0.016	0.025	-
11:18	-	0.016	11:18	0.012	0.023	-
11:19	-	0.016	11:19	0.011	0.021	-
11:20	-	0.016	11:20	0.009	0.018	-
11:21	-	0.016	11:21	0.011	0.017	-
11:22	-	0.016	11:22	0.008	0.017	-
11:23	-	0.016	11:23	0.012	0.015	-
11:24	-	0.016	11:24	0.009	0.015	-
11:25	-	0.016	11:25	0.011	0.014	-
11:26	-	0.016	11:26	0.056	0.017	-
11:27	-	0.016	11:27	0.012	0.016	-
11:28	-	0.016	11:28	0.02	0.017	-
11:29	-	0.016	11:29	0.04	0.019	-
11:30	-	0.016	11:30	0.015	0.018	-
11:31	-	0.016	11:31	0.035	0.018	-
11:32	-	0.016	11:32	0.07	0.022	-
11:33	-	0.016	11:33	0.064	0.026	-
11:34	-	0.016	11:34	0.049	0.028	-
11:35	-	0.016	11:35	0.04	0.030	-
11:36	-	0.016	11:36	0.02	0.031	-
11:37	-	0.016	11:37	0.026	0.032	-
11:38	-	0.016	11:38	0.007	0.032	-
11:39	-	0.016	11:39	0.007	0.031	-
11:40	-	0.016	11:40	0.011	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:41	-	0.016	11:41	0.007	0.028	-
11:42	-	0.016	11:42	0.023	0.029	-
11:43	-	0.016	11:43	0.018	0.029	-
11:44	-	0.016	11:44	0.016	0.027	-
11:45	-	0.016	11:45	0.016	0.027	-
11:46	-	0.016	11:46	0.01	0.026	-
11:47	-	0.016	11:47	0.021	0.022	-
11:48	-	0.016	11:48	0.035	0.020	-
11:49	-	0.016	11:49	0.043	0.020	-
11:50	-	0.016	11:50	0.019	0.019	-
11:51	-	0.016	11:51	0.012	0.018	-
11:52	-	0.016	11:52	0.007	0.017	-
11:53	-	0.016	11:53	0.011	0.017	-
11:54	-	0.016	11:54	0.013	0.017	-
11:55	-	0.016	11:55	0.008	0.017	-
11:56	-	0.016	11:56	0.009	0.017	-
11:57	-	0.016	11:57	0.013	0.017	-
11:58	-	0.016	11:58	0.015	0.017	-
11:59	-	0.016	11:59	0.013	0.016	-
12:00	-	0.016	12:00	0.008	0.016	-
12:01	-	0.016	12:01	0.007	0.016	-
12:02	-	0.016	12:02	0.01	0.015	-
12:03	-	0.016	12:03	0.009	0.013	-
12:04	-	0.016	12:04	0.007	0.011	-
12:05	-	0.016	12:05	0.006	0.010	-
12:06	-	0.016	12:06	0.012	0.010	-
12:07	-	0.016	12:07	0.021	0.011	-
12:08	-	0.016	12:08	0.01	0.011	-
12:09	-	0.016	12:09	0.014	0.011	-
12:10	-	0.016	12:10	0.01	0.011	-
12:11	-	0.016	12:11	0.014	0.011	-
12:12	-	0.016	12:12	0.012	0.011	-
12:13	-	0.016	12:13	0.012	0.011	-
12:14	-	0.016	12:14	0.065	0.014	-
12:15	-	0.016	12:15	0.039	0.017	-
12:16	-	0.016	12:16	0.027	0.018	-
12:17	-	0.016	12:17	0.016	0.018	-
12:18	-	0.016	12:18	0.012	0.018	-
12:19	-	0.016	12:19	0.011	0.019	-
12:20	-	0.016	12:20	0.012	0.019	-
12:21	-	0.016	12:21	0.007	0.019	-
12:22	-	0.016	12:22	0.013	0.018	-
12:23	-	0.016	12:23	0.014	0.019	-
12:24	-	0.016	12:24	0.019	0.019	-
12:25	-	0.016	12:25	0.017	0.019	-
12:26	-	0.016	12:26	0.017	0.020	-
12:27	-	0.016	12:27	0.012	0.020	-
12:28	-	0.016	12:28	0.014	0.020	-
12:29	-	0.016	12:29	0.016	0.016	-
12:30	-	0.016	12:30	0.009	0.014	-
12:31	-	0.016	12:31	0.015	0.014	-
12:32	-	0.016	12:32	0.027	0.014	-
12:33	-	0.016	12:33	0.031	0.016	-
12:34	-	0.016	12:34	0.024	0.016	-
12:35	-	0.016	12:35	0.044	0.019	-
12:36	-	0.016	12:36	0.035	0.020	-
12:37	-	0.016	12:37	0.034	0.022	-
12:38	-	0.016	12:38	0.04	0.024	-
12:39	-	0.016	12:39	0.038	0.025	-
12:40	-	0.016	12:40	0.042	0.027	-
12:41	-	0.016	12:41	0.044	0.028	-
12:42	-	0.016	12:42	0.05	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:43	-	0.016	12:43	0.051	0.033	-
12:44	-	0.016	12:44	0.045	0.035	-
12:45	-	0.016	12:45	0.018	0.036	-
12:46	-	0.016	12:46	0.025	0.037	-
12:47	-	0.016	12:47	0.043	0.038	-
12:48	-	0.016	12:48	0.04	0.038	-
12:49	-	0.016	12:49	0.047	0.040	-
12:50	-	0.016	12:50	0.057	0.041	-
12:51	-	0.016	12:51	0.022	0.040	-
12:52	-	0.016	12:52	0.019	0.039	-
12:53	-	0.016	12:53	0.019	0.037	-
12:54	-	0.016	12:54	0.048	0.038	-
12:55	-	0.016	12:55	0.045	0.038	-
12:56	-	0.016	12:56	0.028	0.037	-
12:57	-	0.016	12:57	0.014	0.035	-
12:58	-	0.016	12:58	0.012	0.032	-
12:59	-	0.016	12:59	0.015	0.030	-
13:00	-	0.016	13:00	0.03	0.031	-
13:01	-	0.016	13:01	0.021	0.031	-
13:02	-	0.016	13:02	0.024	0.029	-
13:03	-	0.016	13:03	0.019	0.028	-
13:04	-	0.016	13:04	0.019	0.026	-
13:05	-	0.016	13:05	0.031	0.024	-
13:06	-	0.016	13:06	0.028	0.025	-
13:07	-	0.016	13:07	0.019	0.025	-
13:08	-	0.016	13:08	0.025	0.025	-
13:09	-	0.016	13:09	0.024	0.024	-
13:10	-	0.016	13:10	0.018	0.022	-
13:11	-	0.016	13:11	0.019	0.021	-
13:12	-	0.016	13:12	0.019	0.022	-
13:13	-	0.016	13:13	0.01	0.021	-
13:14	-	0.016	13:14	0.014	0.021	-
13:15	-	0.016	13:15	0.01	0.020	-
13:16	-	0.016	13:16	0.012	0.019	-
13:17	-	0.016	13:17	0.009	0.018	-
13:18	-	0.016	13:18	0.007	0.018	-

DAILY FIELD REPORT 09

Prepared By: LANGAN

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy	X	Sunny	
TEMP.	< 30		32-50		50-70	X	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	April 17, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	9:00 am to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood installed a 1-inch groundwater monitoring well PH1_MW04 by advancing 2-inch outer diameter by 4-foot-long macrocores to 18 feet below grade surface (bgs). The well was installed to about 18 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 8 to 18 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean No. 1 sand to about 6 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.
- Lakewood installed soil vapor probe PH1_SV25 by advancing 2-inch-diameter by 4-foot-long macrocores to 10 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 9.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 8 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 2-foot thick bentonite seal at surface grade. The vapor probe will be sampled at a future date pending access to all the soil vapor sampling locations from the tenant/operator.
- Lakewood developed groundwater monitoring wells PH1_MW04, PH1_MW16, and PH1_MW25. About 5 gallons of purged groundwater water was generated from each monitoring well and containerized on-site in a 55-gallon drum pending off-site disposal. Petroleum-like odors were not observed in the purged groundwater from any of the monitoring wells.

Samples Collected:

- No samples were collected.

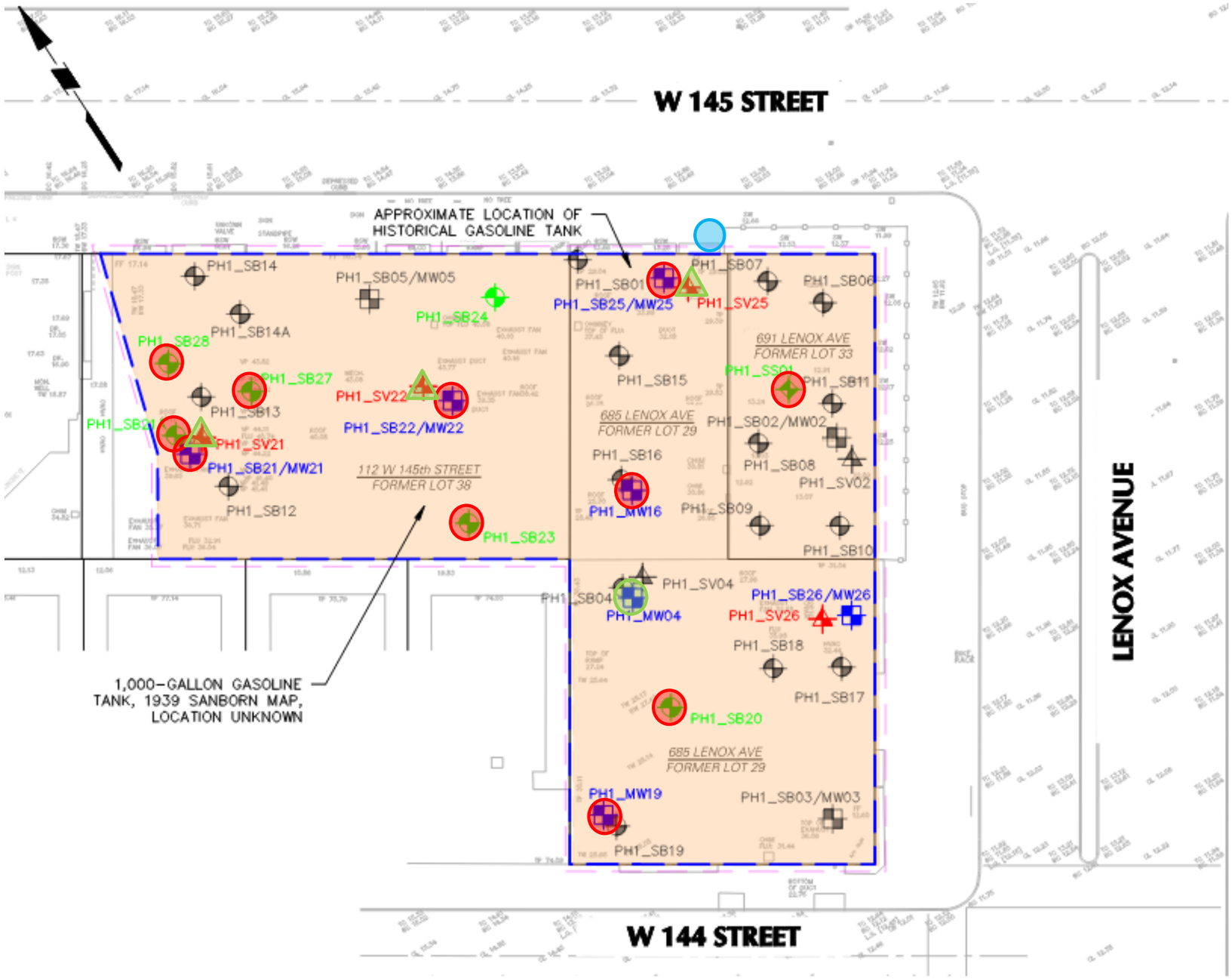
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).
    - Due to persistent rain, community air monitoring was not implemented until 10:07. No dust or odors were apparent on-site.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

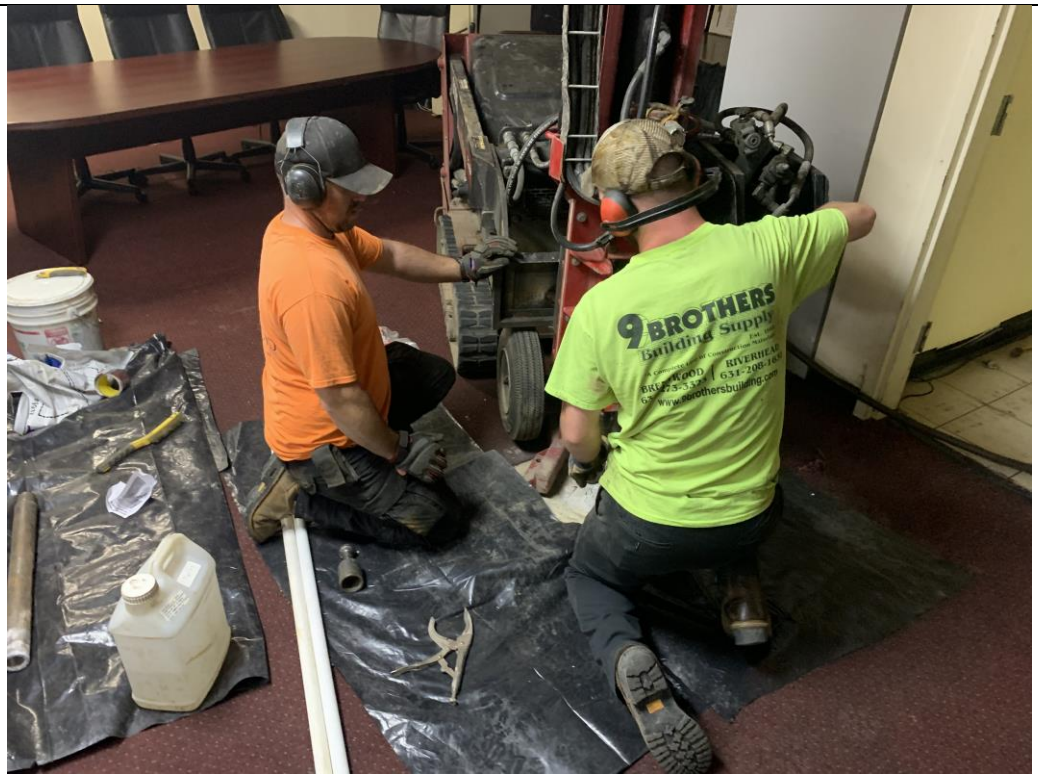
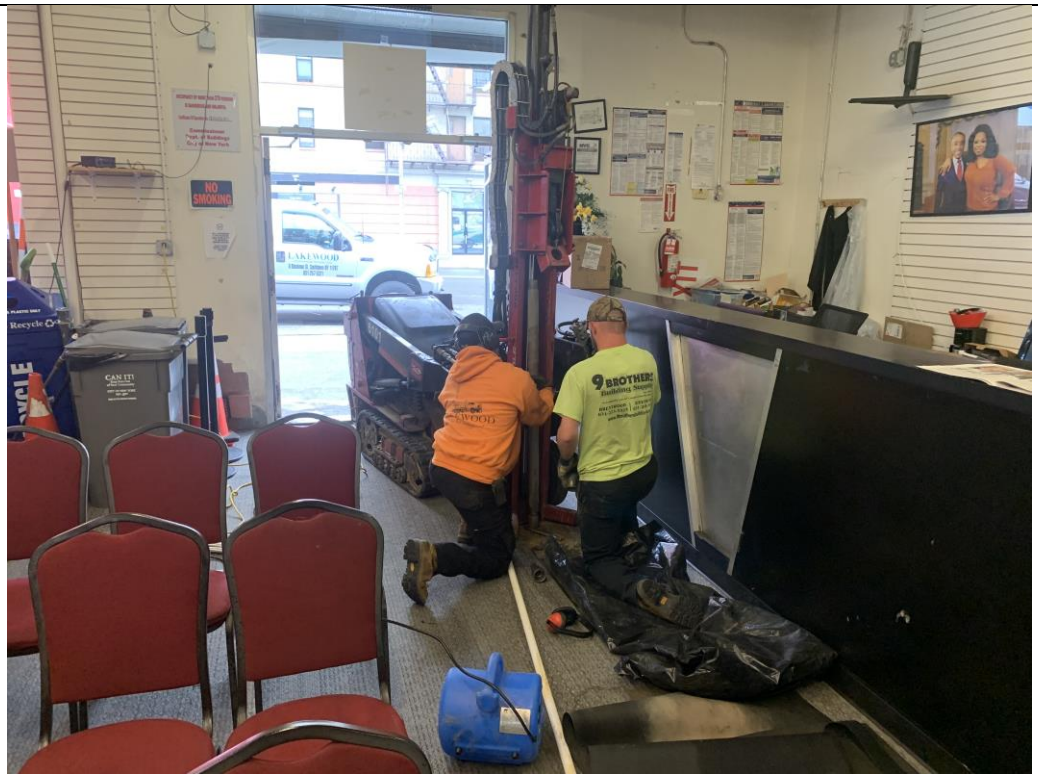
SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

Photo Log

Photo 1: View of Lakewood installing groundwater monitoring well PH1_MW04 (facing north)	
Photo 2: View of Lakewood installing soil vapor probe PH1_SV25 (facing northeast)	

File Name: 2023-04-17 Daily Field Report_09

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 4/17/2023
Start: 10:07 AM
End: 11:59 AM
Observer: Jack Frey

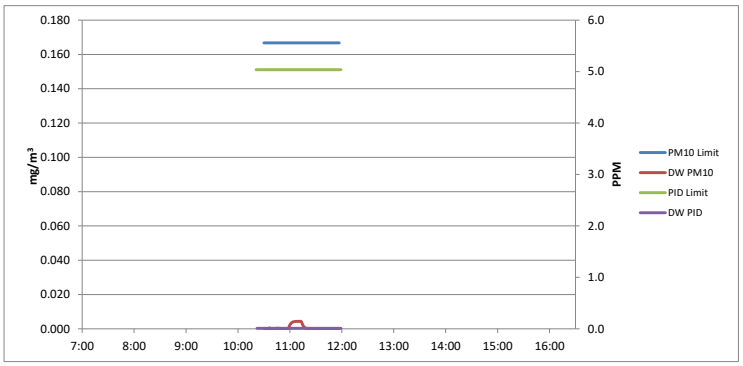
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0168	0.0000
Maximum 15min Average	0.0168	0.0043
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0010	0.0000
Maximum 1min Reading	0.0040	0.0190

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.027	0.001
Minimum 15min Average	0.0267	0.0000
Maximum 15min Average	0.0267	0.0067
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.027	0.100

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Monday, April 17, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						73
170635401						10:16
End Time:						11:57
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45033.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:16	0.054		10:16			
10:17	0.036		10:17			
10:18	0.027		10:18			
10:19	0.021		10:19			
10:20	0.017		10:20			
10:21	0.013		10:21			
10:22	0.01		10:22			
10:23	0.008		10:23			
10:24	0.005		10:24			
10:25	0.004		10:25			
10:26	0.003		10:26			
10:27	0.003		10:27			
10:28	0.002		10:28			
10:29	0.002		10:29			
10:30	0.001	0.017	10:30			
10:31		0.017	10:31	0.001	-	
10:32	-	0.017	10:32	0.001	-	
10:33	-	0.017	10:33	0.000	-	
10:34	-	0.017	10:34	0.001	-	
10:35	-	0.017	10:35	0.001	-	
10:36	-	0.017	10:36	0.001	-	
10:37	-	0.017	10:37	0.001	-	
10:38	-	0.017	10:38	0.000	-	
10:39	-	0.017	10:39	0.000	-	
10:40	-	0.017	10:40	0.000	-	
10:41	-	0.017	10:41	0.000	-	
10:42	-	0.017	10:42	0.000	-	
10:43	-	0.017	10:43	0.000	-	
10:44	-	0.017	10:44	0.000	-	
10:45	-	0.017	10:45	0.000	0.000	-
10:46	-	0.017	10:46	0.000	0.000	-
10:47	-	0.017	10:47	0.000	0.000	-
10:48	-	0.017	10:48	0.000	0.000	-
10:49	-	0.017	10:49	0.000	0.000	-
10:50	-	0.017	10:50	0.000	0.000	-
10:51	-	0.017	10:51	0.000	0.000	-
10:52	-	0.017	10:52	0.000	0.000	-
10:53	-	0.017	10:53	0.000	0.000	-
10:54	-	0.017	10:54	0.000	0.000	-
10:55	-	0.017	10:55	0.000	0.000	-
10:56	-	0.017	10:56	0.000	0.000	-
10:57	-	0.017	10:57	0.000	0.000	-
10:58	-	0.017	10:58	0.000	0.000	-
10:59	-	0.017	10:59	0.015	0.001	-
11:00	-	0.017	11:00	0.019	0.002	-
11:01	-	0.017	11:01	0.011	0.003	-
11:02	-	0.017	11:02	0.008	0.004	-
11:03	-	0.017	11:03	0.005	0.004	-
11:04	-	0.017	11:04	0.003	0.004	-
11:05	-	0.017	11:05	0.002	0.004	-
11:06	-	0.017	11:06	0.001	0.004	-
11:07	-	0.017	11:07	0.001	0.004	-
11:08	-	0.017	11:08	0.000	0.004	-
11:09	-	0.017	11:09	0.000	0.004	-
11:10	-	0.017	11:10	0.000	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45033.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:11	-	0.017	11:11	0.000	0.004	-
11:12	-	0.017	11:12	0.000	0.004	-
11:13	-	0.017	11:13	0.000	0.004	-
11:14	-	0.017	11:14	0.000	0.003	-
11:15	-	0.017	11:15	0.000	0.002	-
11:16	-	0.017	11:16	0.000	0.001	-
11:17	-	0.017	11:17	0.000	0.001	-
11:18	-	0.017	11:18	0.000	0.000	-
11:19	-	0.017	11:19	0.000	0.000	-
11:20	-	0.017	11:20	0.000	0.000	-
11:21	-	0.017	11:21	0.000	0.000	-
11:22	-	0.017	11:22	0.000	0.000	-
11:23	-	0.017	11:23	0.000	0.000	-
11:24	-	0.017	11:24	0.000	0.000	-
11:25	-	0.017	11:25	0.000	0.000	-
11:26	-	0.017	11:26	0.000	0.000	-
11:27	-	0.017	11:27	0.000	0.000	-
11:28	-	0.017	11:28	0.000	0.000	-
11:29	-	0.017	11:29	0.000	0.000	-
11:30	-	0.017	11:30	0.000	0.000	-
11:31	-	0.017	11:31	0.000	0.000	-
11:32	-	0.017	11:32	0.000	0.000	-
11:33	-	0.017	11:33	0.000	0.000	-
11:34	-	0.017	11:34	0.000	0.000	-
11:35	-	0.017	11:35	0.000	0.000	-
11:36	-	0.017	11:36	0.000	0.000	-
11:37	-	0.017	11:37	0.000	0.000	-
11:38	-	0.017	11:38	0.000	0.000	-
11:39	-	0.017	11:39	0.000	0.000	-
11:40	-	0.017	11:40	0.000	0.000	-
11:41	-	0.017	11:41	0.000	0.000	-
11:42	-	0.017	11:42	0.000	0.000	-
11:43	-	0.017	11:43	0.000	0.000	-
11:44	-	0.017	11:44	0.000	0.000	-
11:45	-	0.017	11:45	0.000	0.000	-
11:46	-	0.017	11:46	0.000	0.000	-
11:47	-	0.017	11:47	0.000	0.000	-
11:48	-	0.017	11:48	0.000	0.000	-
11:49	-	0.017	11:49	0.000	0.000	-
11:50	-	0.017	11:50	0.000	0.000	-
11:51	-	0.017	11:51	0.000	0.000	-
11:52	-	0.017	11:52	0.000	0.000	-
11:53	-	0.017	11:53	0.000	0.000	-
11:54	-	0.017	11:54	0.000	0.000	-
11:55	-	0.017	11:55	0.000	0.000	-
11:56	-	0.017	11:56	0.000	0.000	-
11:57	-	0.017	11:57	0.000	0.000	-

Monday, April 17, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						98
170635401						10:07
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45033.0	Time	VOC (ppm)	15-Minute Average	
10:07	0.0		10:07			
10:08	0.0		10:08			
10:09	0.0		10:09			
10:10	0.0		10:10			
10:11	0.0		10:11			
10:12	0.0		10:12			
10:13	0.1		10:13			
10:14	0.0		10:14			
10:15	0.0		10:15			
10:16	0.2		10:16			
10:17	0.0		10:17			
10:18	0.1		10:18			
10:19	0.0		10:19			
10:20	0.0		10:20			
10:21	0.0	0.0	10:21			
10:22	-	0.0	10:22	0.0	-	-
10:23	-	0.0	10:23	0.1	-	-
10:24	-	0.0	10:24	0.0	-	-
10:25	-	0.0	10:25	0.0	-	-
10:26	-	0.0	10:26	0.0	-	-
10:27	-	0.0	10:27	0.0	-	-
10:28	-	0.0	10:28	0.0	-	-
10:29	-	0.0	10:29	0.0	-	-
10:30	-	0.0	10:30	0.0	-	-
10:31	-	0.0	10:31	0.0	-	-
10:32	-	0.0	10:32	0.0	-	-
10:33	-	0.0	10:33	0.0	-	-
10:34	-	0.0	10:34	0.0	-	-
10:35	-	0.0	10:35	0.0	-	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45033.0	Time	VOC (ppm)	15-Minute Average	
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-

DAILY FIELD REPORT 10

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50		50-70	**X**	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	May 3, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	8:00 am to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Langan collected groundwater samples from monitoring well PH1_MW19 using a peristaltic pump fitted with dedicated high density polyethylene (HDPE) tubing. Low-flow groundwater quality parameters were collected with a Horiba U-52 water quality meter during purging and prior to sample collection.
    - Petroleum-like or chemical-like impacts were not observed.
- Purged groundwater was containerized on-site in 55-gallon drums pending future off-site disposal.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_MW19_050323
- The samples will be analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), total and dissolved target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide) dissolved metals, and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

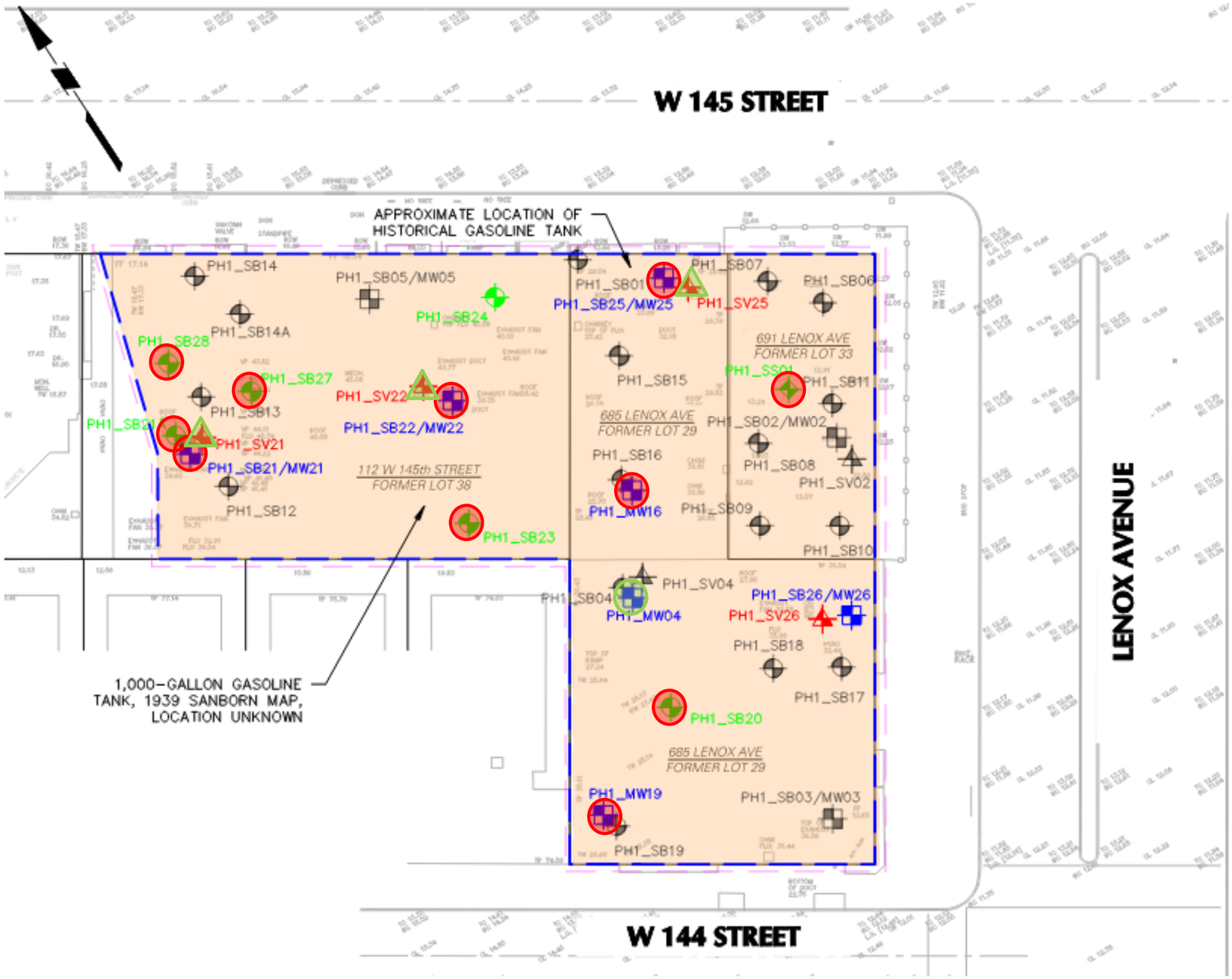
Air Monitoring:

- The Community Air Monitoring Program (CAMP) was not implemented due to an absence of soil handling or ground intrusive work. Langan visually monitored the site during work activities and did not observe dust migrating from the site.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

Photo Log

Photo 1: Langan collecting groundwater parameters at monitoring well PH1_MW19 (facing northeast)	

File Name: 2023-05-03 Daily Field Report_10

DAILY FIELD REPORT 11

Prepared By: LANGAN

WEATHER	Snow		Rain	**X**	Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50		50-70	**X**	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	May 4, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	8:00 am to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Langan collected groundwater samples from monitoring wells PH1_MW04, PH1_MW16, and PH1_MW25 using a peristaltic pump fitted with dedicated high density polyethylene (HDPE) tubing. Low-flow groundwater quality parameters were collected with a Horiba U-52 water quality meter during purging and prior to sample collection.
    - Petroleum-like or chemical-like impacts were not observed.
- Purged groundwater was containerized on-site in 55-gallon drums pending future off-site disposal.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_MW04_050423
    - PH1_MW16_050423
    - PH1_MW25_050423
- The samples will be analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), total and dissolved target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

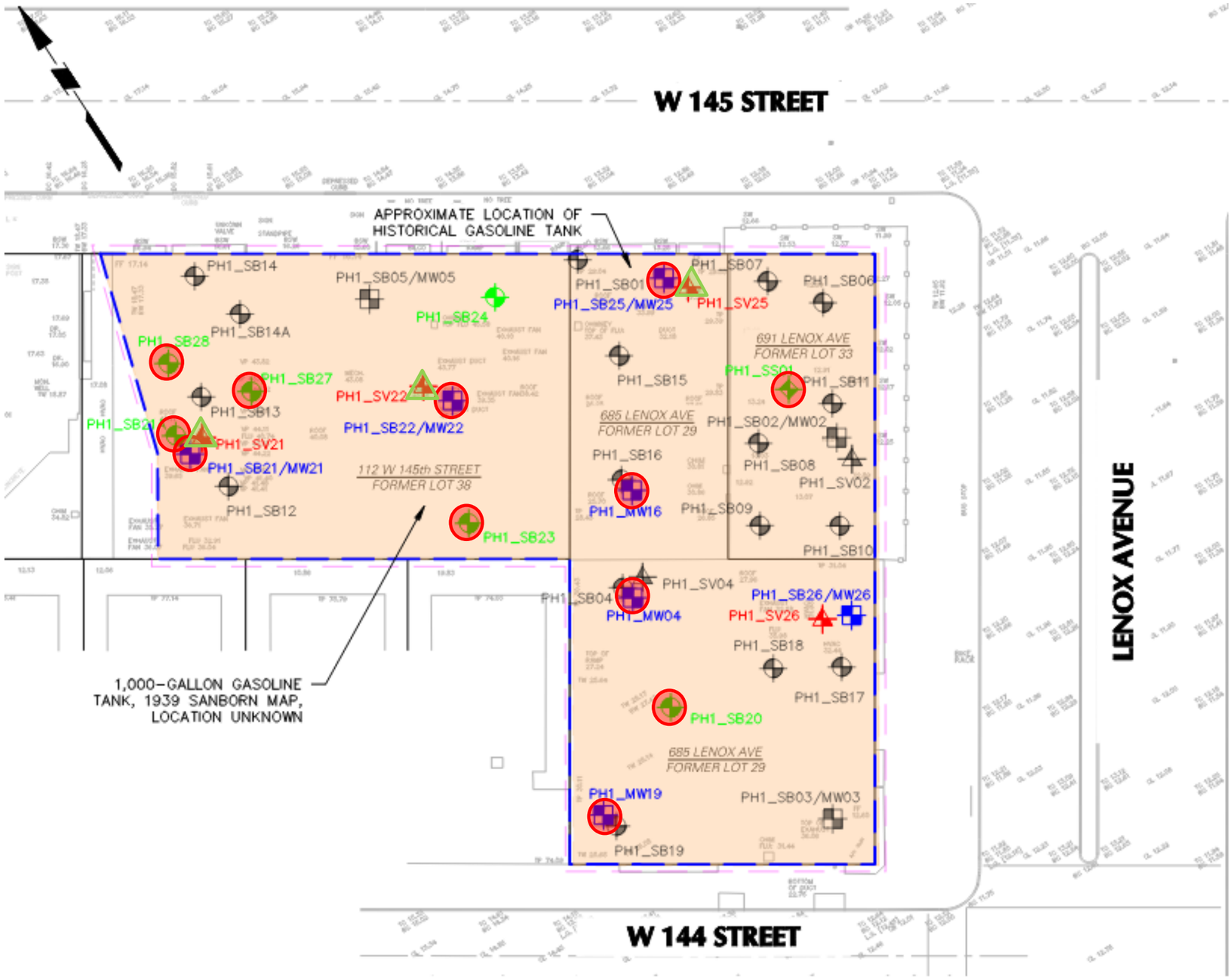
Air Monitoring:

- The Community Air Monitoring Program (CAMP) was not implemented because no soil handling or ground intrusive work was conducted. Langan visually monitored the site during work activities and did not observe dust migrating from the site.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN

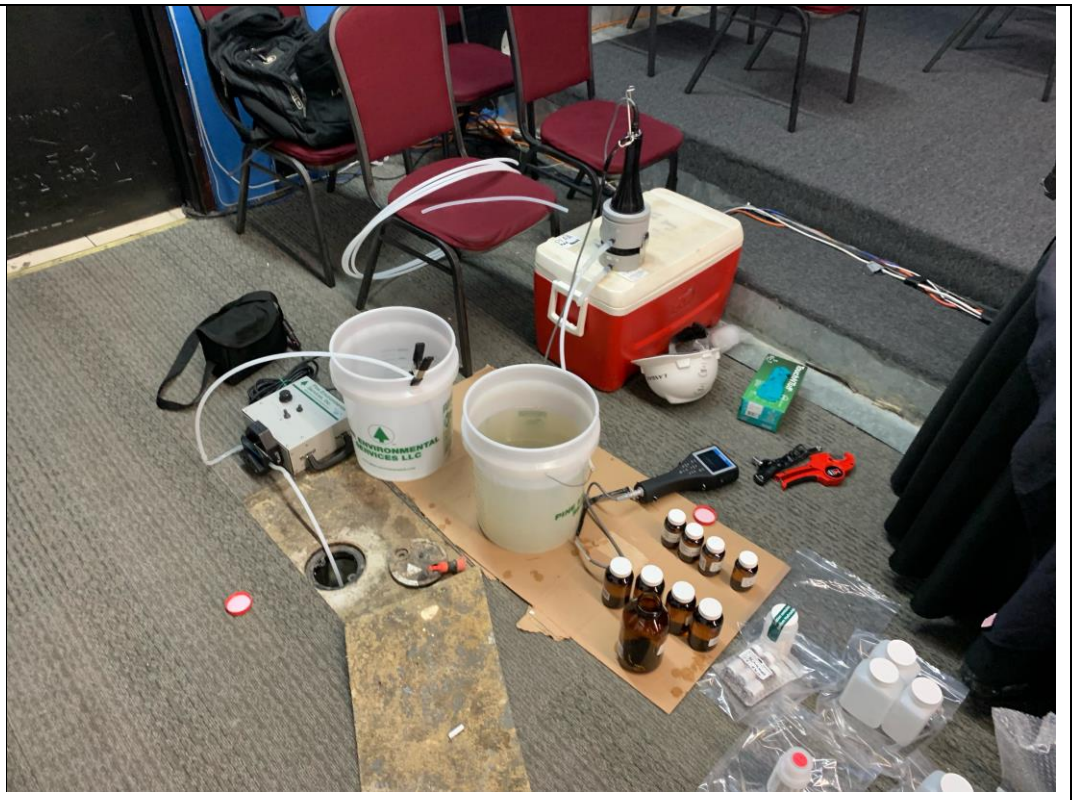


LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-05-04 Daily Field Report_11

Photo Log

Photo 1: Langan collecting groundwater parameters at monitoring well PH1_MW16 (facing south)	
Photo 2: Langan collecting groundwater parameters at monitoring well PH1_MW04 (facing northeast)	

File Name: 2023-05-04 Daily Field Report_11

DAILY FIELD REPORT 12

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50		50-70	**X**	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	May 5, 2023
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	8:00 am to 3:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)		**Langan Field Personnel:** Jack Frey	
Subcontractor: Lakewood Environmental (Lakewood)			

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Langan collected groundwater samples from monitoring wells PH1_MW21 and PH1_MW22 using a peristaltic pump fitted with dedicated high density polyethylene (HDPE) tubing. Low-flow groundwater quality parameters were collected with a Horiba U-52 water quality meter during purging and prior to sample collection.
    - Petroleum-like odors were observed while purging monitoring well PH1_MW21.
- Purged groundwater was containerized on-site in 55-gallon drums pending future off-site disposal.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_MW21_050523
    - PH1_MW22_050523
- The samples will be analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), total and dissolved target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

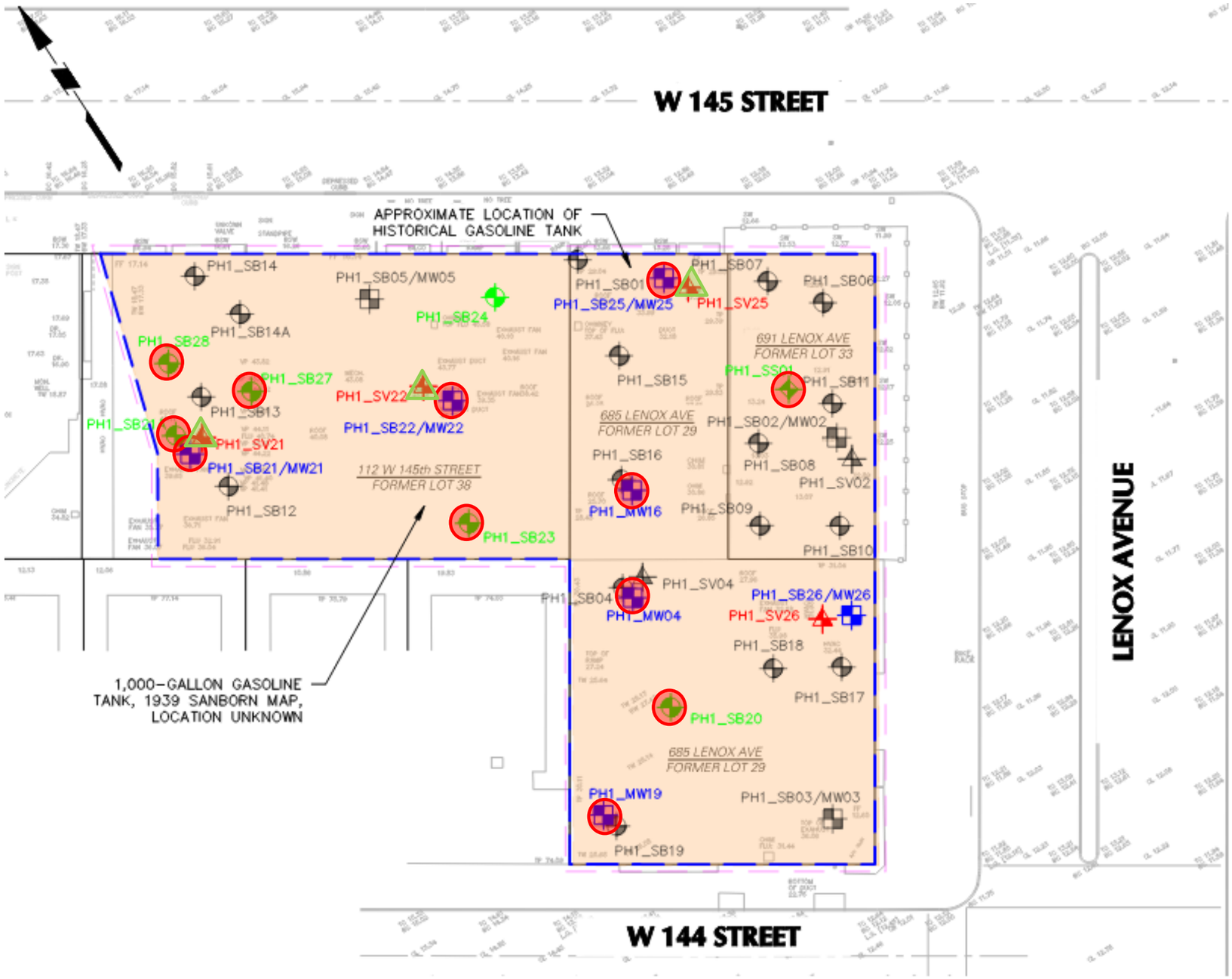
Air Monitoring:

- The Community Air Monitoring Program (CAMP) was not implemented because no soil handling or ground intrusive work was conducted. Langan visually monitored the site during work activities and did not observe dust migrating from the site.

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN

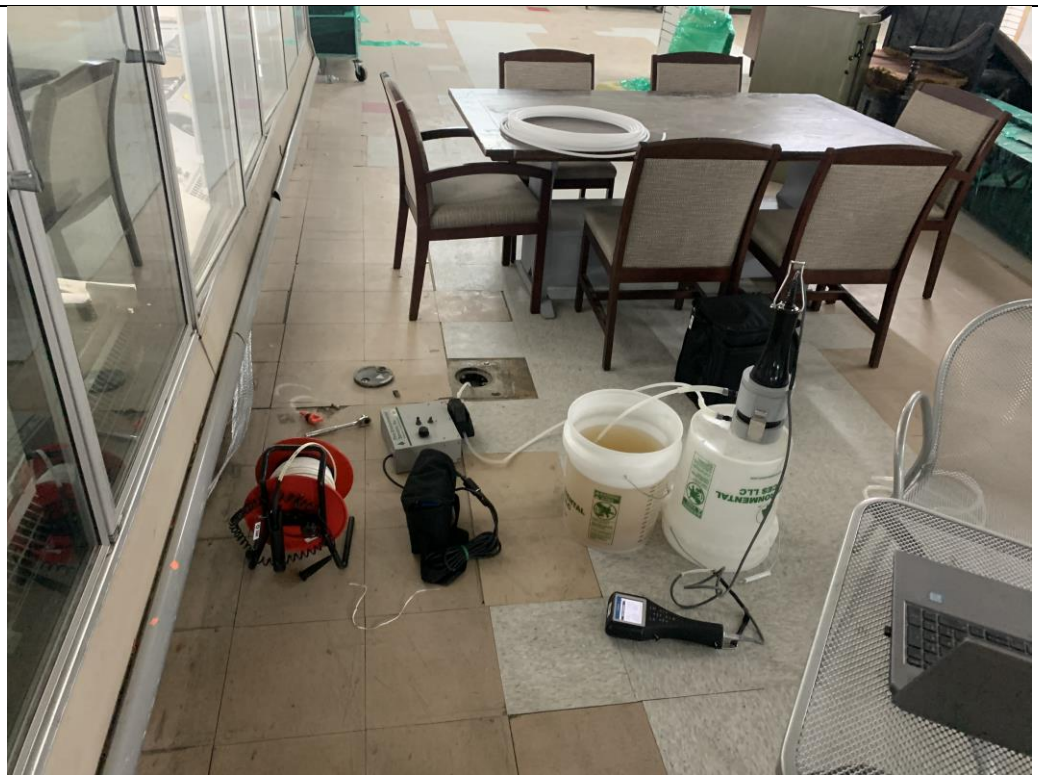


LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2023-05-05 Daily Field Report_12

Photo Log

Photo 1: Langan collecting groundwater parameters at monitoring well PH1_MW22 (facing south)	
Photo 2: Langan collecting groundwater parameters at monitoring well PH1_MW21 (facing northeast)	

File Name: 2023-05-05 Daily Field Report_12

DAILY FIELD REPORT 13

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	**X**	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 7, 2024
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	7:00 am to 5:00 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) **Subcontractor:** Lakewood Environmental (Lakewood) **Subcontractor:** NOVA		**Langan Field Personnel:** Camille Quick Carli Piretra	

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- NOVA completed a geophysical survey at the sample locations to mark out geophysical anomalies prior to the start of ground-intrusive activities.
    - NOVA confirmed a 3-foot clearance from any subsurface utilities at the sample locations.
- Lakewood advanced soil boring PH1_SB26 to 31 feet below grade surface (bgs) using hand tools and a Geoprobe® 420M limited access drill rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners. Soil recovered did not exhibit signs of impacts.
- Lakewood converted soil boring PH1_SB26 into 1-inch groundwater monitoring well PH1_MW26 by advancing 2-inch outer diameter by 4-foot-long macrocores to 31 feet bgs. The well was installed to about 17 feet bgs with 10 feet of 0.01-inch slotted well screen installed from about 7 to 17 feet bgs and a solid polyvinyl chloride (PVC) riser to surface grade. The annulus of the well was backfilled with clean soil cuttings to about 17 feet bgs followed by clean No. 1 sand to about 6 feet bgs followed by an about 2-foot-thick hydrated bentonite seal. The remainder of the annulus was backfilled to surface grade with clean soil cuttings. The well was completed with a flush-mounted steel casing set in concrete.
- Lakewood installed soil vapor probe PH1_SV26 by advancing 2-inch-diameter by 4-foot-long macrocores to 7 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 7 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 6 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 2-foot thick bentonite seal at surface grade. The vapor probe will be sampled on the following work day.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB26_2-4
  - PH1_SB26_4-6
  - PH1_SB26_8-10
- The samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

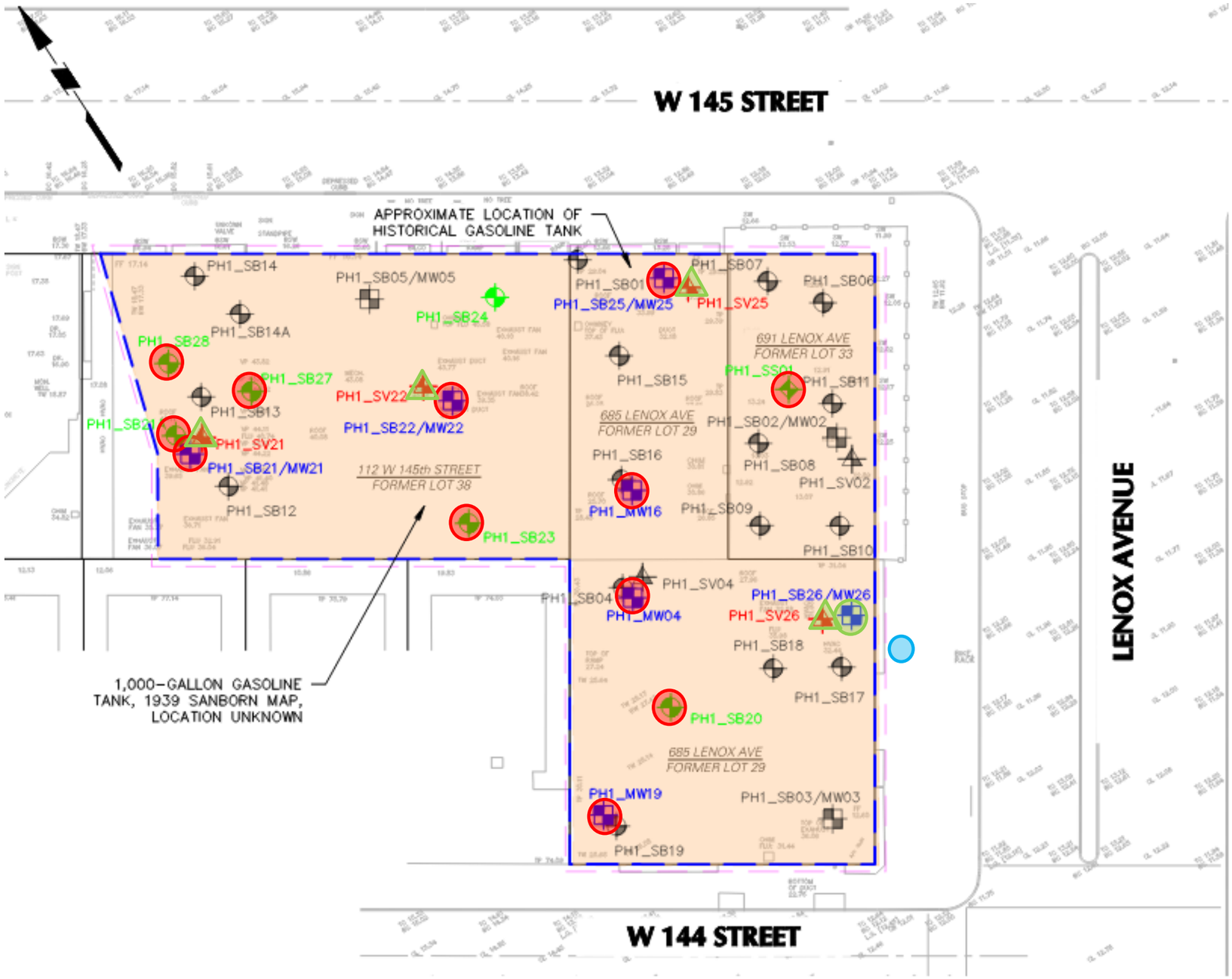
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN



LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**

File Name: 2024-03-07 Daily Field Report_13

Photo Log

Photo 1: View of Lakewood advancing soil boring PH1_SB26 (facing east)	
Photo 2: View of Lakewood installing groundwater monitoring well PH1_MW26 (facing down)	

File Name: 2024-03-07 Daily Field Report_13

LANGAN

687 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/7/2024
Start: 7:31 AM
End: 11:59 AM
Observer: Camille Quick

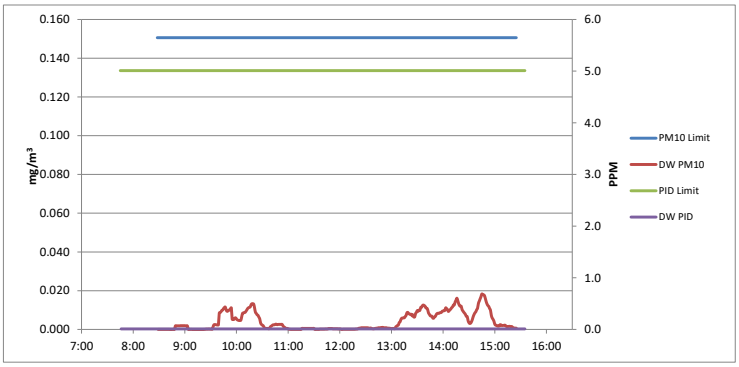
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.001	0.000
Maximum 15min Average	0.001	0.018
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.000	-0.001
Maximum 1min Reading	0.000	0.093

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.0	0.0
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.0

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Thursday, March 7, 2024						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						403
170635401						8:14
End Time:						15:25
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:14	0.006		8:14			
8:15	0.003		8:15			
8:16	0.000		8:16			
8:17	0.000		8:17			
8:18	0.000		8:18			
8:19	0.000		8:19			
8:20	0.000		8:20			
8:21	0.000		8:21			
8:22	0.000		8:22			
8:23	0.000		8:23			
8:24	0.000		8:24			
8:25	0.000		8:25			
8:26	0.000		8:26			
8:27	0.000		8:27			
8:28	0.000	0.001	8:28			
8:29		0.001	8:29	0.000	-	
8:30	-	0.001	8:30	0.000	-	
8:31	-	0.001	8:31	0.000	-	
8:32	-	0.001	8:32	0.000	-	
8:33	-	0.001	8:33	0.000	-	
8:34	-	0.001	8:34	0.000	-	
8:35	-	0.001	8:35	0.000	-	
8:36	-	0.001	8:36	0.000	-	
8:37	-	0.001	8:37	0.000	-	
8:38	-	0.001	8:38	0.000	-	
8:39	-	0.001	8:39	0.000	-	
8:40	-	0.001	8:40	-0.001	-	
8:41	-	0.001	8:41	0.000	-	
8:42	-	0.001	8:42	0.000	-	
8:43	-	0.001	8:43	0.000	0.000	-
8:44	-	0.001	8:44	0.000	0.000	-
8:45	-	0.001	8:45	0.000	0.000	-
8:46	-	0.001	8:46	0.001	0.000	-
8:47	-	0.001	8:47	0.000	0.000	-
8:48	-	0.001	8:48	0.000	0.000	-
8:49	-	0.001	8:49	0.028	0.002	-
8:50	-	0.001	8:50	0.000	0.002	-
8:51	-	0.001	8:51	0.000	0.002	-
8:52	-	0.001	8:52	0.000	0.002	-
8:53	-	0.001	8:53	0.000	0.002	-
8:54	-	0.001	8:54	0.000	0.002	-
8:55	-	0.001	8:55	0.000	0.002	-
8:56	-	0.001	8:56	0.000	0.002	-
8:57	-	0.001	8:57	0.000	0.002	-
8:58	-	0.001	8:58	0.000	0.002	-
8:59	-	0.001	8:59	0.000	0.002	-
9:00	-	0.001	9:00	0.000	0.002	-
9:01	-	0.001	9:01	0.000	0.002	-
9:02	-	0.001	9:02	0.000	0.002	-
9:03	-	0.001	9:03	0.000	0.002	-
9:04	-	0.001	9:04	0.000	0.000	-
9:05	-	0.001	9:05	0.000	0.000	-
9:06	-	0.001	9:06	0.000	0.000	-
9:07	-	0.001	9:07	0.000	0.000	-
9:08	-	0.001	9:08	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:09	-	0.001	9:09	-0.001	0.000	-
9:10	-	0.001	9:10	-0.001	0.000	-
9:11	-	0.001	9:11	0.000	0.000	-
9:12	-	0.001	9:12	0.000	0.000	-
9:13	-	0.001	9:13	-0.001	0.000	-
9:14	-	0.001	9:14	0.001	0.000	-
9:15	-	0.001	9:15	0.000	0.000	-
9:16	-	0.001	9:16	0.000	0.000	-
9:17	-	0.001	9:17	0.000	0.000	-
9:18	-	0.001	9:18	0.000	0.000	-
9:19	-	0.001	9:19	0.000	0.000	-
9:20	-	0.001	9:20	0.000	0.000	-
9:21	-	0.001	9:21	0.000	0.000	-
9:22	-	0.001	9:22	0.002	0.000	-
9:23	-	0.001	9:23	0.000	0.000	-
9:24	-	0.001	9:24	0.000	0.000	-
9:25	-	0.001	9:25	0.000	0.000	-
9:26	-	0.001	9:26	0.000	0.000	-
9:27	-	0.001	9:27	0.000	0.000	-
9:28	-	0.001	9:28	0.000	0.000	-
9:29	-	0.001	9:29	0.000	0.000	-
9:30	-	0.001	9:30	0.000	0.000	-
9:31	-	0.001	9:31	0.000	0.000	-
9:32	-	0.001	9:32	0.000	0.000	-
9:33	-	0.001	9:33	0.023	0.002	-
9:34	-	0.001	9:34	0.012	0.002	-
9:35	-	0.001	9:35	0.000	0.002	-
9:36	-	0.001	9:36	0.000	0.002	-
9:37	-	0.001	9:37	0.000	0.002	-
9:38	-	0.001	9:38	0.000	0.002	-
9:39	-	0.001	9:39	0.000	0.002	-
9:40	-	0.001	9:40	0.093	0.009	-
9:41	-	0.001	9:41	0.003	0.009	-
9:42	-	0.001	9:42	0.006	0.009	-
9:43	-	0.001	9:43	0.011	0.010	-
9:44	-	0.001	9:44	0.002	0.010	-
9:45	-	0.001	9:45	0.012	0.011	-
9:46	-	0.001	9:46	0.008	0.011	-
9:47	-	0.001	9:47	0.003	0.012	-
9:48	-	0.001	9:48	0.002	0.010	-
9:49	-	0.001	9:49	0.000	0.009	-
9:50	-	0.001	9:50	0.003	0.010	-
9:51	-	0.001	9:51	0.004	0.010	-
9:52	-	0.001	9:52	0.006	0.010	-
9:53	-	0.001	9:53	0.007	0.011	-
9:54	-	0.001	9:54	0.007	0.011	-
9:55	-	0.001	9:55	0.004	0.005	-
9:56	-	0.001	9:56	0.005	0.005	-
9:57	-	0.001	9:57	0.003	0.005	-
9:58	-	0.001	9:58	0.021	0.006	-
9:59	-	0.001	9:59	0.005	0.006	-
10:00	-	0.001	10:00	0.003	0.005	-
10:01	-	0.001	10:01	0.001	0.005	-
10:02	-	0.001	10:02	0.000	0.005	-
10:03	-	0.001	10:03	0.000	0.005	-
10:04	-	0.001	10:04	0.001	0.005	-
10:05	-	0.001	10:05	0.003	0.005	-
10:06	-	0.001	10:06	0.030	0.006	-
10:07	-	0.001	10:07	0.035	0.008	-
10:08	-	0.001	10:08	0.009	0.008	-
10:09	-	0.001	10:09	0.011	0.009	-
10:10	-	0.001	10:10	0.005	0.009	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:11	-	0.001	10:11	0.014	0.009	-
10:12	-	0.001	10:12	0.013	0.010	-
10:13	-	0.001	10:13	0.032	0.011	-
10:14	-	0.001	10:14	0.011	0.011	-
10:15	-	0.001	10:15	0.006	0.011	-
10:16	-	0.001	10:16	0.005	0.012	-
10:17	-	0.001	10:17	0.017	0.013	-
10:18	-	0.001	10:18	0.007	0.013	-
10:19	-	0.001	10:19	0.001	0.013	-
10:20	-	0.001	10:20	0.000	0.013	-
10:21	-	0.001	10:21	0.000	0.011	-
10:22	-	0.001	10:22	0.002	0.009	-
10:23	-	0.001	10:23	0.000	0.008	-
10:24	-	0.001	10:24	0.000	0.008	-
10:25	-	0.001	10:25	0.001	0.007	-
10:26	-	0.001	10:26	0.000	0.006	-
10:27	-	0.001	10:27	0.000	0.005	-
10:28	-	0.001	10:28	0.000	0.003	-
10:29	-	0.001	10:29	0.000	0.003	-
10:30	-	0.001	10:30	0.000	0.002	-
10:31	-	0.001	10:31	0.001	0.002	-
10:32	-	0.001	10:32	0.005	0.001	-
10:33	-	0.001	10:33	0.000	0.001	-
10:34	-	0.001	10:34	-0.001	0.001	-
10:35	-	0.001	10:35	0.000	0.001	-
10:36	-	0.001	10:36	0.000	0.001	-
10:37	-	0.001	10:37	0.000	0.000	-
10:38	-	0.001	10:38	0.000	0.000	-
10:39	-	0.001	10:39	0.011	0.001	-
10:40	-	0.001	10:40	0.008	0.002	-
10:41	-	0.001	10:41	0.004	0.002	-
10:42	-	0.001	10:42	0.006	0.002	-
10:43	-	0.001	10:43	0.002	0.002	-
10:44	-	0.001	10:44	0.000	0.002	-
10:45	-	0.001	10:45	0.003	0.003	-
10:46	-	0.001	10:46	0.003	0.003	-
10:47	-	0.001	10:47	0.001	0.002	-
10:48	-	0.001	10:48	0.001	0.003	-
10:49	-	0.001	10:49	0.000	0.003	-
10:50	-	0.001	10:50	0.000	0.003	-
10:51	-	0.001	10:51	0.000	0.003	-
10:52	-	0.001	10:52	0.000	0.003	-
10:53	-	0.001	10:53	0.000	0.003	-
10:54	-	0.001	10:54	0.000	0.002	-
10:55	-	0.001	10:55	0.000	0.001	-
10:56	-	0.001	10:56	0.000	0.001	-
10:57	-	0.001	10:57	0.000	0.001	-
10:58	-	0.001	10:58	0.000	0.001	-
10:59	-	0.001	10:59	0.000	0.001	-
11:00	-	0.001	11:00	0.000	0.000	-
11:01	-	0.001	11:01	0.000	0.000	-
11:02	-	0.001	11:02	0.000	0.000	-
11:03	-	0.001	11:03	0.000	0.000	-
11:04	-	0.001	11:04	0.000	0.000	-
11:05	-	0.001	11:05	0.000	0.000	-
11:06	-	0.001	11:06	0.000	0.000	-
11:07	-	0.001	11:07	0.000	0.000	-
11:08	-	0.001	11:08	0.000	0.000	-
11:09	-	0.001	11:09	0.000	0.000	-
11:10	-	0.001	11:10	0.000	0.000	-
11:11	-	0.001	11:11	0.000	0.000	-
11:12	-	0.001	11:12	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:13	-	0.001	11:13	0.000	0.000	-
11:14	-	0.001	11:14	0.000	0.000	-
11:15	-	0.001	11:15	0.000	0.000	-
11:16	-	0.001	11:16	0.008	0.001	-
11:17	-	0.001	11:17	0.000	0.001	-
11:18	-	0.001	11:18	0.000	0.001	-
11:19	-	0.001	11:19	0.000	0.001	-
11:20	-	0.001	11:20	0.000	0.001	-
11:21	-	0.001	11:21	0.000	0.001	-
11:22	-	0.001	11:22	0.000	0.001	-
11:23	-	0.001	11:23	0.000	0.001	-
11:24	-	0.001	11:24	0.000	0.001	-
11:25	-	0.001	11:25	0.000	0.001	-
11:26	-	0.001	11:26	0.000	0.001	-
11:27	-	0.001	11:27	0.000	0.001	-
11:28	-	0.001	11:28	0.000	0.001	-
11:29	-	0.001	11:29	0.000	0.001	-
11:30	-	0.001	11:30	0.000	0.001	-
11:31	-	0.001	11:31	0.000	0.000	-
11:32	-	0.001	11:32	0.000	0.000	-
11:33	-	0.001	11:33	0.000	0.000	-
11:34	-	0.001	11:34	0.000	0.000	-
11:35	-	0.001	11:35	0.000	0.000	-
11:36	-	0.001	11:36	0.000	0.000	-
11:37	-	0.001	11:37	0.002	0.000	-
11:38	-	0.001	11:38	0.000	0.000	-
11:39	-	0.001	11:39	0.000	0.000	-
11:40	-	0.001	11:40	0.000	0.000	-
11:41	-	0.001	11:41	0.000	0.000	-
11:42	-	0.001	11:42	0.000	0.000	-
11:43	-	0.001	11:43	0.001	0.000	-
11:44	-	0.001	11:44	0.000	0.000	-
11:45	-	0.001	11:45	0.000	0.000	-
11:46	-	0.001	11:46	0.001	0.000	-
11:47	-	0.001	11:47	0.003	0.000	-
11:48	-	0.001	11:48	0.000	0.000	-
11:49	-	0.001	11:49	0.000	0.000	-
11:50	-	0.001	11:50	0.000	0.000	-
11:51	-	0.001	11:51	0.000	0.000	-
11:52	-	0.001	11:52	0.000	0.000	-
11:53	-	0.001	11:53	0.000	0.000	-
11:54	-	0.001	11:54	0.000	0.000	-
11:55	-	0.001	11:55	0.000	0.000	-
11:56	-	0.001	11:56	0.000	0.000	-
11:57	-	0.001	11:57	0.000	0.000	-
11:58	-	0.001	11:58	0.000	0.000	-
11:59	-	0.001	11:59	0.000	0.000	-
12:00	-	0.001	12:00	0.000	0.000	-
12:01	-	0.001	12:01	0.000	0.000	-
12:02	-	0.001	12:02	0.000	0.000	-
12:03	-	0.001	12:03	0.000	0.000	-
12:04	-	0.001	12:04	0.001	0.000	-
12:05	-	0.001	12:05	0.000	0.000	-
12:06	-	0.001	12:06	0.000	0.000	-
12:07	-	0.001	12:07	0.000	0.000	-
12:08	-	0.001	12:08	0.000	0.000	-
12:09	-	0.001	12:09	0.000	0.000	-
12:10	-	0.001	12:10	0.000	0.000	-
12:11	-	0.001	12:11	0.000	0.000	-
12:12	-	0.001	12:12	0.000	0.000	-
12:13	-	0.001	12:13	0.000	0.000	-
12:14	-	0.001	12:14	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:15	-	0.001	12:15	0.000	0.000	-
12:16	-	0.001	12:16	0.000	0.000	-
12:17	-	0.001	12:17	0.000	0.000	-
12:18	-	0.001	12:18	0.001	0.000	-
12:19	-	0.001	12:19	0.002	0.000	-
12:20	-	0.001	12:20	0.000	0.000	-
12:21	-	0.001	12:21	0.002	0.000	-
12:22	-	0.001	12:22	0.004	0.001	-
12:23	-	0.001	12:23	0.001	0.001	-
12:24	-	0.001	12:24	0.001	0.001	-
12:25	-	0.001	12:25	0.002	0.001	-
12:26	-	0.001	12:26	0.000	0.001	-
12:27	-	0.001	12:27	0.000	0.001	-
12:28	-	0.001	12:28	0.000	0.001	-
12:29	-	0.001	12:29	0.000	0.001	-
12:30	-	0.001	12:30	0.000	0.001	-
12:31	-	0.001	12:31	0.000	0.001	-
12:32	-	0.001	12:32	0.000	0.001	-
12:33	-	0.001	12:33	0.000	0.001	-
12:34	-	0.001	12:34	0.000	0.001	-
12:35	-	0.001	12:35	0.000	0.001	-
12:36	-	0.001	12:36	0.003	0.001	-
12:37	-	0.001	12:37	0.000	0.000	-
12:38	-	0.001	12:38	0.000	0.000	-
12:39	-	0.001	12:39	0.000	0.000	-
12:40	-	0.001	12:40	0.003	0.000	-
12:41	-	0.001	12:41	0.002	0.001	-
12:42	-	0.001	12:42	0.001	0.001	-
12:43	-	0.001	12:43	0.001	0.001	-
12:44	-	0.001	12:44	0.001	0.001	-
12:45	-	0.001	12:45	0.002	0.001	-
12:46	-	0.001	12:46	0.000	0.001	-
12:47	-	0.001	12:47	0.000	0.001	-
12:48	-	0.001	12:48	0.002	0.001	-
12:49	-	0.001	12:49	0.000	0.001	-
12:50	-	0.001	12:50	0.001	0.001	-
12:51	-	0.001	12:51	0.000	0.001	-
12:52	-	0.001	12:52	0.000	0.001	-
12:53	-	0.001	12:53	0.000	0.001	-
12:54	-	0.001	12:54	0.000	0.001	-
12:55	-	0.001	12:55	0.001	0.001	-
12:56	-	0.001	12:56	0.001	0.001	-
12:57	-	0.001	12:57	0.001	0.001	-
12:58	-	0.001	12:58	0.000	0.001	-
12:59	-	0.001	12:59	0.000	0.001	-
13:00	-	0.001	13:00	0.001	0.000	-
13:01	-	0.001	13:01	0.000	0.000	-
13:02	-	0.001	13:02	0.001	0.001	-
13:03	-	0.001	13:03	0.000	0.000	-
13:04	-	0.001	13:04	0.000	0.000	-
13:05	-	0.001	13:05	0.015	0.001	-
13:06	-	0.001	13:06	0.004	0.002	-
13:07	-	0.001	13:07	0.007	0.002	-
13:08	-	0.001	13:08	0.003	0.002	-
13:09	-	0.001	13:09	0.019	0.004	-
13:10	-	0.001	13:10	0.007	0.004	-
13:11	-	0.001	13:11	0.019	0.005	-
13:12	-	0.001	13:12	0.011	0.006	-
13:13	-	0.001	13:13	0.001	0.006	-
13:14	-	0.001	13:14	0.002	0.006	-
13:15	-	0.001	13:15	0.001	0.006	-
13:16	-	0.001	13:16	0.010	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
13:17	-	0.001	13:17	0.010	0.007	-
13:18	-	0.001	13:18	0.020	0.009	-
13:19	-	0.001	13:19	0.003	0.009	-
13:20	-	0.001	13:20	0.005	0.008	-
13:21	-	0.001	13:21	0.002	0.008	-
13:22	-	0.001	13:22	0.002	0.008	-
13:23	-	0.001	13:23	0.006	0.008	-
13:24	-	0.001	13:24	0.006	0.007	-
13:25	-	0.001	13:25	0.015	0.008	-
13:26	-	0.001	13:26	0.002	0.006	-
13:27	-	0.001	13:27	0.012	0.006	-
13:28	-	0.001	13:28	0.027	0.008	-
13:29	-	0.001	13:29	0.011	0.009	-
13:30	-	0.001	13:30	0.015	0.010	-
13:31	-	0.001	13:31	0.004	0.009	-
13:32	-	0.001	13:32	0.020	0.010	-
13:33	-	0.001	13:33	0.017	0.010	-
13:34	-	0.001	13:34	0.027	0.011	-
13:35	-	0.001	13:35	0.005	0.011	-
13:36	-	0.001	13:36	0.015	0.012	-
13:37	-	0.001	13:37	0.007	0.013	-
13:38	-	0.001	13:38	0.002	0.012	-
13:39	-	0.001	13:39	0.001	0.012	-
13:40	-	0.001	13:40	0.001	0.011	-
13:41	-	0.001	13:41	0.001	0.011	-
13:42	-	0.001	13:42	0.001	0.010	-
13:43	-	0.001	13:43	0.001	0.009	-
13:44	-	0.001	13:44	0.001	0.008	-
13:45	-	0.001	13:45	0.003	0.007	-
13:46	-	0.001	13:46	0.002	0.007	-
13:47	-	0.001	13:47	0.018	0.007	-
13:48	-	0.001	13:48	0.003	0.006	-
13:49	-	0.001	13:49	0.026	0.006	-
13:50	-	0.001	13:50	0.016	0.007	-
13:51	-	0.001	13:51	0.018	0.007	-
13:52	-	0.001	13:52	0.021	0.008	-
13:53	-	0.001	13:53	0.010	0.008	-
13:54	-	0.001	13:54	0.003	0.008	-
13:55	-	0.001	13:55	0.000	0.008	-
13:56	-	0.001	13:56	0.006	0.009	-
13:57	-	0.001	13:57	0.002	0.009	-
13:58	-	0.001	13:58	0.003	0.009	-
13:59	-	0.001	13:59	0.010	0.009	-
14:00	-	0.001	14:00	0.005	0.010	-
14:01	-	0.001	14:01	0.004	0.010	-
14:02	-	0.001	14:02	0.020	0.010	-
14:03	-	0.001	14:03	0.024	0.011	-
14:04	-	0.001	14:04	0.018	0.011	-
14:05	-	0.001	14:05	0.011	0.010	-
14:06	-	0.001	14:06	0.002	0.009	-
14:07	-	0.001	14:07	0.027	0.010	-
14:08	-	0.001	14:08	0.017	0.010	-
14:09	-	0.001	14:09	0.010	0.011	-
14:10	-	0.001	14:10	0.010	0.011	-
14:11	-	0.001	14:11	0.012	0.012	-
14:12	-	0.001	14:12	0.017	0.013	-
14:13	-	0.001	14:13	0.003	0.013	-
14:14	-	0.001	14:14	0.033	0.014	-
14:15	-	0.001	14:15	0.018	0.015	-
14:16	-	0.001	14:16	0.020	0.016	-
14:17	-	0.001	14:17	0.001	0.015	-
14:18	-	0.001	14:18	0.002	0.013	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
14:19	-	0.001	14:19	0.003	0.012	-
14:20	-	0.001	14:20	0.004	0.012	-
14:21	-	0.001	14:21	0.003	0.012	-
14:22	-	0.001	14:22	0.001	0.010	-
14:23	-	0.001	14:23	0.006	0.010	-
14:24	-	0.001	14:24	0.000	0.009	-
14:25	-	0.001	14:25	0.002	0.008	-
14:26	-	0.001	14:26	0.002	0.008	-
14:27	-	0.001	14:27	0.003	0.007	-
14:28	-	0.001	14:28	0.001	0.007	-
14:29	-	0.001	14:29	0.002	0.005	-
14:30	-	0.001	14:30	0.002	0.003	-
14:31	-	0.001	14:31	0.014	0.003	-
14:32	-	0.001	14:32	0.004	0.003	-
14:33	-	0.001	14:33	0.013	0.004	-
14:34	-	0.001	14:34	0.021	0.005	-
14:35	-	0.001	14:35	0.026	0.007	-
14:36	-	0.001	14:36	0.019	0.008	-
14:37	-	0.001	14:37	0.014	0.009	-
14:38	-	0.001	14:38	0.014	0.009	-
14:39	-	0.001	14:39	0.016	0.010	-
14:40	-	0.001	14:40	0.013	0.011	-
14:41	-	0.001	14:41	0.040	0.013	-
14:42	-	0.001	14:42	0.020	0.015	-
14:43	-	0.001	14:43	0.019	0.016	-
14:44	-	0.001	14:44	0.019	0.017	-
14:45	-	0.001	14:45	0.023	0.018	-
14:46	-	0.001	14:46	0.009	0.018	-
14:47	-	0.001	14:47	0.002	0.018	-
14:48	-	0.001	14:48	0.007	0.017	-
14:49	-	0.001	14:49	0.000	0.016	-
14:50	-	0.001	14:50	0.001	0.014	-
14:51	-	0.001	14:51	0.000	0.013	-
14:52	-	0.001	14:52	0.002	0.012	-
14:53	-	0.001	14:53	0.007	0.012	-
14:54	-	0.001	14:54	0.000	0.011	-
14:55	-	0.001	14:55	0.000	0.010	-
14:56	-	0.001	14:56	0.000	0.007	-
14:57	-	0.001	14:57	0.000	0.006	-
14:58	-	0.001	14:58	0.008	0.005	-
14:59	-	0.001	14:59	0.005	0.004	-
15:00	-	0.001	15:00	0.000	0.003	-
15:01	-	0.001	15:01	0.001	0.002	-
15:02	-	0.001	15:02	0.001	0.002	-
15:03	-	0.001	15:03	0.001	0.002	-
15:04	-	0.001	15:04	0.001	0.002	-
15:05	-	0.001	15:05	0.000	0.002	-
15:06	-	0.001	15:06	0.010	0.002	-
15:07	-	0.001	15:07	0.002	0.002	-
15:08	-	0.001	15:08	0.001	0.002	-
15:09	-	0.001	15:09	0.001	0.002	-
15:10	-	0.001	15:10	0.000	0.002	-
15:11	-	0.001	15:11	0.001	0.002	-
15:12	-	0.001	15:12	0.001	0.002	-
15:13	-	0.001	15:13	0.001	0.002	-
15:14	-	0.001	15:14	0.001	0.001	-
15:15	-	0.001	15:15	0.001	0.002	-
15:16	-	0.001	15:16	0.001	0.002	-
15:17	-	0.001	15:17	0.002	0.002	-
15:18	-	0.001	15:18	0.000	0.002	-
15:19	-	0.001	15:19	0.000	0.001	-
15:20	-	0.001	15:20	0.000	0.001	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
15:21	-	0.001	15:21	0.000	0.001	-
15:22	-	0.001	15:22	0.001	0.001	-
15:23	-	0.001	15:23	0.001	0.001	-
15:24	-	0.001	15:24	0.000	0.001	-
15:25	-	0.001	15:25	0.000	0.001	-

Thursday, March 7, 2024						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						470
170635401						7:31
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:31	0.0		7:31			
7:32	0.0		7:32			
7:33	0.0		7:33			
7:34	0.0		7:34			
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0	0.0	7:45			
7:46	-	0.0	7:46	0.0	-	-
7:47	-	0.0	7:47	0.0	-	-
7:48	-	0.0	7:48	0.0	-	-
7:49	-	0.0	7:49	0.0	-	-
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.0	-	-
7:59	-	0.0	7:59	0.0	-	-
8:00	-	0.0	8:00	0.0	0.0	-
8:01	-	0.0	8:01	0.0	0.0	-
8:02	-	0.0	8:02	0.0	0.0	-
8:03	-	0.0	8:03	0.0	0.0	-
8:04	-	0.0	8:04	0.0	0.0	-
8:05	-	0.0	8:05	0.0	0.0	-
8:06	-	0.0	8:06	0.0	0.0	-
8:07	-	0.0	8:07	0.0	0.0	-
8:08	-	0.0	8:08	0.0	0.0	-
8:09	-	0.0	8:09	0.0	0.0	-
8:10	-	0.0	8:10	0.0	0.0	-
8:11	-	0.0	8:11	0.0	0.0	-
8:12	-	0.0	8:12	0.0	0.0	-
8:13	-	0.0	8:13	0.0	0.0	-
8:14	-	0.0	8:14	0.0	0.0	-
8:15	-	0.0	8:15	0.0	0.0	-
8:16	-	0.0	8:16	0.0	0.0	-
8:17	-	0.0	8:17	0.0	0.0	-
8:18	-	0.0	8:18	0.0	0.0	-
8:19	-	0.0	8:19	0.0	0.0	-
8:20	-	0.0	8:20	0.0	0.0	-
8:21	-	0.0	8:21	0.0	0.0	-
8:22	-	0.0	8:22	0.0	0.0	-
8:23	-	0.0	8:23	0.0	0.0	-
8:24	-	0.0	8:24	0.0	0.0	-
8:25	-	0.0	8:25	0.0	0.0	-
8:26	-	0.0	8:26	0.0	0.0	-
8:27	-	0.0	8:27	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.0	0.0	-
8:50	-	0.0	8:50	0.0	0.0	-
8:51	-	0.0	8:51	0.0	0.0	-
8:52	-	0.0	8:52	0.0	0.0	-
8:53	-	0.0	8:53	0.0	0.0	-
8:54	-	0.0	8:54	0.0	0.0	-
8:55	-	0.0	8:55	0.0	0.0	-
8:56	-	0.0	8:56	0.0	0.0	-
8:57	-	0.0	8:57	0.0	0.0	-
8:58	-	0.0	8:58	0.0	0.0	-
8:59	-	0.0	8:59	0.0	0.0	-
9:00	-	0.0	9:00	0.0	0.0	-
9:01	-	0.0	9:01	0.0	0.0	-
9:02	-	0.0	9:02	0.0	0.0	-
9:03	-	0.0	9:03	0.0	0.0	-
9:04	-	0.0	9:04	0.0	0.0	-
9:05	-	0.0	9:05	0.0	0.0	-
9:06	-	0.0	9:06	0.0	0.0	-
9:07	-	0.0	9:07	0.0	0.0	-
9:08	-	0.0	9:08	0.0	0.0	-
9:09	-	0.0	9:09	0.0	0.0	-
9:10	-	0.0	9:10	0.0	0.0	-
9:11	-	0.0	9:11	0.0	0.0	-
9:12	-	0.0	9:12	0.0	0.0	-
9:13	-	0.0	9:13	0.0	0.0	-
9:14	-	0.0	9:14	0.0	0.0	-
9:15	-	0.0	9:15	0.0	0.0	-
9:16	-	0.0	9:16	0.0	0.0	-
9:17	-	0.0	9:17	0.0	0.0	-
9:18	-	0.0	9:18	0.0	0.0	-
9:19	-	0.0	9:19	0.0	0.0	-
9:20	-	0.0	9:20	0.0	0.0	-
9:21	-	0.0	9:21	0.0	0.0	-
9:22	-	0.0	9:22	0.0	0.0	-
9:23	-	0.0	9:23	0.0	0.0	-
9:24	-	0.0	9:24	0.0	0.0	-
9:25	-	0.0	9:25	0.0	0.0	-
9:26	-	0.0	9:26	0.0	0.0	-
9:27	-	0.0	9:27	0.0	0.0	-
9:28	-	0.0	9:28	0.0	0.0	-
9:29	-	0.0	9:29	0.0	0.0	-
9:30	-	0.0	9:30	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:31	-	0.0	9:31	0.0	0.0	-
9:32	-	0.0	9:32	0.0	0.0	-
9:33	-	0.0	9:33	0.0	0.0	-
9:34	-	0.0	9:34	0.0	0.0	-
9:35	-	0.0	9:35	0.0	0.0	-
9:36	-	0.0	9:36	0.0	0.0	-
9:37	-	0.0	9:37	0.0	0.0	-
9:38	-	0.0	9:38	0.0	0.0	-
9:39	-	0.0	9:39	0.0	0.0	-
9:40	-	0.0	9:40	0.0	0.0	-
9:41	-	0.0	9:41	0.0	0.0	-
9:42	-	0.0	9:42	0.0	0.0	-
9:43	-	0.0	9:43	0.0	0.0	-
9:44	-	0.0	9:44	0.0	0.0	-
9:45	-	0.0	9:45	0.0	0.0	-
9:46	-	0.0	9:46	0.0	0.0	-
9:47	-	0.0	9:47	0.0	0.0	-
9:48	-	0.0	9:48	0.0	0.0	-
9:49	-	0.0	9:49	0.0	0.0	-
9:50	-	0.0	9:50	0.0	0.0	-
9:51	-	0.0	9:51	0.0	0.0	-
9:52	-	0.0	9:52	0.0	0.0	-
9:53	-	0.0	9:53	0.0	0.0	-
9:54	-	0.0	9:54	0.0	0.0	-
9:55	-	0.0	9:55	0.0	0.0	-
9:56	-	0.0	9:56	0.0	0.0	-
9:57	-	0.0	9:57	0.0	0.0	-
9:58	-	0.0	9:58	0.0	0.0	-
9:59	-	0.0	9:59	0.0	0.0	-
10:00	-	0.0	10:00	0.0	0.0	-
10:01	-	0.0	10:01	0.0	0.0	-
10:02	-	0.0	10:02	0.0	0.0	-
10:03	-	0.0	10:03	0.0	0.0	-
10:04	-	0.0	10:04	0.0	0.0	-
10:05	-	0.0	10:05	0.0	0.0	-
10:06	-	0.0	10:06	0.0	0.0	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.0	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.0	0.0	-
10:27	-	0.0	10:27	0.0	0.0	-
10:28	-	0.0	10:28	0.0	0.0	-
10:29	-	0.0	10:29	0.0	0.0	-
10:30	-	0.0	10:30	0.0	0.0	-
10:31	-	0.0	10:31	0.0	0.0	-
10:32	-	0.0	10:32	0.0	0.0	-
10:33	-	0.0	10:33	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:34	-	0.0	10:34	0.0	0.0	-
10:35	-	0.0	10:35	0.0	0.0	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-
12:00	-	0.0	12:00	0.0	0.0	-
12:01	-	0.0	12:01	0.0	0.0	-
12:02	-	0.0	12:02	0.0	0.0	-
12:03	-	0.0	12:03	0.0	0.0	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.0	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-
12:19	-	0.0	12:19	0.0	0.0	-
12:20	-	0.0	12:20	0.0	0.0	-
12:21	-	0.0	12:21	0.0	0.0	-
12:22	-	0.0	12:22	0.0	0.0	-
12:23	-	0.0	12:23	0.0	0.0	-
12:24	-	0.0	12:24	0.0	0.0	-
12:25	-	0.0	12:25	0.0	0.0	-
12:26	-	0.0	12:26	0.0	0.0	-
12:27	-	0.0	12:27	0.0	0.0	-
12:28	-	0.0	12:28	0.0	0.0	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.0	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.0	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.0	0.0	-
12:59	-	0.0	12:59	0.0	0.0	-
13:00	-	0.0	13:00	0.0	0.0	-
13:01	-	0.0	13:01	0.0	0.0	-
13:02	-	0.0	13:02	0.0	0.0	-
13:03	-	0.0	13:03	0.0	0.0	-
13:04	-	0.0	13:04	0.0	0.0	-
13:05	-	0.0	13:05	0.0	0.0	-
13:06	-	0.0	13:06	0.0	0.0	-
13:07	-	0.0	13:07	0.0	0.0	-
13:08	-	0.0	13:08	0.0	0.0	-
13:09	-	0.0	13:09	0.0	0.0	-
13:10	-	0.0	13:10	0.0	0.0	-
13:11	-	0.0	13:11	0.0	0.0	-
13:12	-	0.0	13:12	0.0	0.0	-
13:13	-	0.0	13:13	0.0	0.0	-
13:14	-	0.0	13:14	0.0	0.0	-
13:15	-	0.0	13:15	0.0	0.0	-
13:16	-	0.0	13:16	0.0	0.0	-
13:17	-	0.0	13:17	0.0	0.0	-
13:18	-	0.0	13:18	0.0	0.0	-
13:19	-	0.0	13:19	0.0	0.0	-
13:20	-	0.0	13:20	0.0	0.0	-
13:21	-	0.0	13:21	0.0	0.0	-
13:22	-	0.0	13:22	0.0	0.0	-
13:23	-	0.0	13:23	0.0	0.0	-
13:24	-	0.0	13:24	0.0	0.0	-
13:25	-	0.0	13:25	0.0	0.0	-
13:26	-	0.0	13:26	0.0	0.0	-
13:27	-	0.0	13:27	0.0	0.0	-
13:28	-	0.0	13:28	0.0	0.0	-
13:29	-	0.0	13:29	0.0	0.0	-
13:30	-	0.0	13:30	0.0	0.0	-
13:31	-	0.0	13:31	0.0	0.0	-
13:32	-	0.0	13:32	0.0	0.0	-
13:33	-	0.0	13:33	0.0	0.0	-
13:34	-	0.0	13:34	0.0	0.0	-
13:35	-	0.0	13:35	0.0	0.0	-
13:36	-	0.0	13:36	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:37	-	0.0	13:37	0.0	0.0	-
13:38	-	0.0	13:38	0.0	0.0	-
13:39	-	0.0	13:39	0.0	0.0	-
13:40	-	0.0	13:40	0.0	0.0	-
13:41	-	0.0	13:41	0.0	0.0	-
13:42	-	0.0	13:42	0.0	0.0	-
13:43	-	0.0	13:43	0.0	0.0	-
13:44	-	0.0	13:44	0.0	0.0	-
13:45	-	0.0	13:45	0.0	0.0	-
13:46	-	0.0	13:46	0.0	0.0	-
13:47	-	0.0	13:47	0.0	0.0	-
13:48	-	0.0	13:48	0.0	0.0	-
13:49	-	0.0	13:49	0.0	0.0	-
13:50	-	0.0	13:50	0.0	0.0	-
13:51	-	0.0	13:51	0.0	0.0	-
13:52	-	0.0	13:52	0.0	0.0	-
13:53	-	0.0	13:53	0.0	0.0	-
13:54	-	0.0	13:54	0.0	0.0	-
13:55	-	0.0	13:55	0.0	0.0	-
13:56	-	0.0	13:56	0.0	0.0	-
13:57	-	0.0	13:57	0.0	0.0	-
13:58	-	0.0	13:58	0.0	0.0	-
13:59	-	0.0	13:59	0.0	0.0	-
14:00	-	0.0	14:00	0.0	0.0	-
14:01	-	0.0	14:01	0.0	0.0	-
14:02	-	0.0	14:02	0.0	0.0	-
14:03	-	0.0	14:03	0.0	0.0	-
14:04	-	0.0	14:04	0.0	0.0	-
14:05	-	0.0	14:05	0.0	0.0	-
14:06	-	0.0	14:06	0.0	0.0	-
14:07	-	0.0	14:07	0.0	0.0	-
14:08	-	0.0	14:08	0.0	0.0	-
14:09	-	0.0	14:09	0.0	0.0	-
14:10	-	0.0	14:10	0.0	0.0	-
14:11	-	0.0	14:11	0.0	0.0	-
14:12	-	0.0	14:12	0.0	0.0	-
14:13	-	0.0	14:13	0.0	0.0	-
14:14	-	0.0	14:14	0.0	0.0	-
14:15	-	0.0	14:15	0.0	0.0	-
14:16	-	0.0	14:16	0.0	0.0	-
14:17	-	0.0	14:17	0.0	0.0	-
14:18	-	0.0	14:18	0.0	0.0	-
14:19	-	0.0	14:19	0.0	0.0	-
14:20	-	0.0	14:20	0.0	0.0	-
14:21	-	0.0	14:21	0.0	0.0	-
14:22	-	0.0	14:22	0.0	0.0	-
14:23	-	0.0	14:23	0.0	0.0	-
14:24	-	0.0	14:24	0.0	0.0	-
14:25	-	0.0	14:25	0.0	0.0	-
14:26	-	0.0	14:26	0.0	0.0	-
14:27	-	0.0	14:27	0.0	0.0	-
14:28	-	0.0	14:28	0.0	0.0	-
14:29	-	0.0	14:29	0.0	0.0	-
14:30	-	0.0	14:30	0.0	0.0	-
14:31	-	0.0	14:31	0.0	0.0	-
14:32	-	0.0	14:32	0.0	0.0	-
14:33	-	0.0	14:33	0.0	0.0	-
14:34	-	0.0	14:34	0.0	0.0	-
14:35	-	0.0	14:35	0.0	0.0	-
14:36	-	0.0	14:36	0.0	0.0	-
14:37	-	0.0	14:37	0.0	0.0	-
14:38	-	0.0	14:38	0.0	0.0	-
14:39	-	0.0	14:39	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:40	-	0.0	14:40	0.0	0.0	-
14:41	-	0.0	14:41	0.0	0.0	-
14:42	-	0.0	14:42	0.0	0.0	-
14:43	-	0.0	14:43	0.0	0.0	-
14:44	-	0.0	14:44	0.0	0.0	-
14:45	-	0.0	14:45	0.0	0.0	-
14:46	-	0.0	14:46	0.0	0.0	-
14:47	-	0.0	14:47	0.0	0.0	-
14:48	-	0.0	14:48	0.0	0.0	-
14:49	-	0.0	14:49	0.0	0.0	-
14:50	-	0.0	14:50	0.0	0.0	-
14:51	-	0.0	14:51	0.0	0.0	-
14:52	-	0.0	14:52	0.0	0.0	-
14:53	-	0.0	14:53	0.0	0.0	-
14:54	-	0.0	14:54	0.0	0.0	-
14:55	-	0.0	14:55	0.0	0.0	-
14:56	-	0.0	14:56	0.0	0.0	-
14:57	-	0.0	14:57	0.0	0.0	-
14:58	-	0.0	14:58	0.0	0.0	-
14:59	-	0.0	14:59	0.0	0.0	-
15:00	-	0.0	15:00	0.0	0.0	-
15:01	-	0.0	15:01	0.0	0.0	-
15:02	-	0.0	15:02	0.0	0.0	-
15:03	-	0.0	15:03	0.0	0.0	-
15:04	-	0.0	15:04	0.0	0.0	-
15:05	-	0.0	15:05	0.0	0.0	-
15:06	-	0.0	15:06	0.0	0.0	-
15:07	-	0.0	15:07	0.0	0.0	-
15:08	-	0.0	15:08	0.0	0.0	-
15:09	-	0.0	15:09	0.0	0.0	-
15:10	-	0.0	15:10	0.0	0.0	-
15:11	-	0.0	15:11	0.0	0.0	-
15:12	-	0.0	15:12	0.0	0.0	-
15:13	-	0.0	15:13	0.0	0.0	-
15:14	-	0.0	15:14	0.0	0.0	-
15:15	-	0.0	15:15	0.0	0.0	-
15:16	-	0.0	15:16	0.0	0.0	-
15:17	-	0.0	15:17	0.0	0.0	-
15:18	-	0.0	15:18	0.0	0.0	-
15:19	-	0.0	15:19	0.0	0.0	-
15:20	-	0.0	15:20	0.0	0.0	-
15:21	-	0.0	15:21	0.0	0.0	-
15:22	-	0.0	15:22	0.0	0.0	-
15:23	-	0.0	15:23	0.0	0.0	-
15:24	-	0.0	15:24	0.0	0.0	-
15:25	-	0.0	15:25	0.0	0.0	-
15:26	-	0.0	15:26	0.0	0.0	-
15:27	-	0.0	15:27	0.0	0.0	-
15:28	-	0.0	15:28	0.0	0.0	-
15:29	-	0.0	15:29	0.0	0.0	-
15:30	-	0.0	15:30	0.0	0.0	-
15:31	-	0.0	15:31	0.0	0.0	-
15:32	-	0.0	15:32	0.0	0.0	-
15:33	-	0.0	15:33	0.0	0.0	-
15:34	-	0.0	15:34	0.0	0.0	-
15:35	-	0.0	15:35	0.0	0.0	-

DAILY FIELD REPORT 14

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 30		32-50	X	50-70	X	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	March 8, 2024
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	6:30 am to 7:30 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) **Subcontractor:** Lakewood Environmental (Lakewood)		**Langan Field Personnel:** Camille Quick Carli Piretra Andrew Nesci	

FIELD SUMMARY:

Langan is conducting a Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI is to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. This RI will be implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Lakewood advanced soil boring PH1_SB24 to 31 feet below grade surface (bgs) using hand tools and a Geoprobe® 420M limited access drill rig equipped with 2-inch-diamaeter by 4-foot-long steel macrocores with 2-inch-diameter dedicated acetate sample liners. Soil recovered did not exhibit signs of impacts.
- Lakewood reinstalled soil vapor probe PH1_SV21 (previously installed on 3/17/2023) by advancing 2-inch-diameter by 4-foot-long macrocores to 11 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 10.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 9 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 2-foot thick bentonite seal at surface grade.
- Langan conducted a helium shroud test at soil vapor points PH1_SV21, PH1_SV22, PH1_SV25, and PH1_SV26. Following the helium shroud test, the following samples were collected.
    - 2-hour soil vapor samples were collected from PH1_SV21 and PH1_SV26.
    - 8-hour soil vapor and co-located indoor air samples were collected from PH1_SV22.
    - 7-hour soil vapor and co-located indoor air samples were collected from PH1_SV25 due to access restraints.
- Lakewood developed groundwater monitoring well PH1_MW26. About 5 gallons of purged groundwater water was generated from the monitoring well and containerized on-site in a 55-gallon drum pending off-site disposal. Petroleum-like odors were not observed in the purged groundwater from the monitoring wells.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
  - PH1_SB24_2-4
  - PH1_SB24_6-8
  - PH1_SB24_8.5-10.5
  - PH1_SV21_030824
  - PH1_SV22_030824
  - PH1_IA22_030824
  - PH1_SV25_030824
  - PH1_IA25_030824
  - PH1_SV26_030824
  - PH1_AA01_030824
- The soil samples will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and per- and poly-fluoroalkyl substances (PFAS) (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.
- The soil vapor, indoor air, and ambient air samples will be analyzed for VOCs by York Analytical Laboratories Inc., an ELAP-certified laboratory.

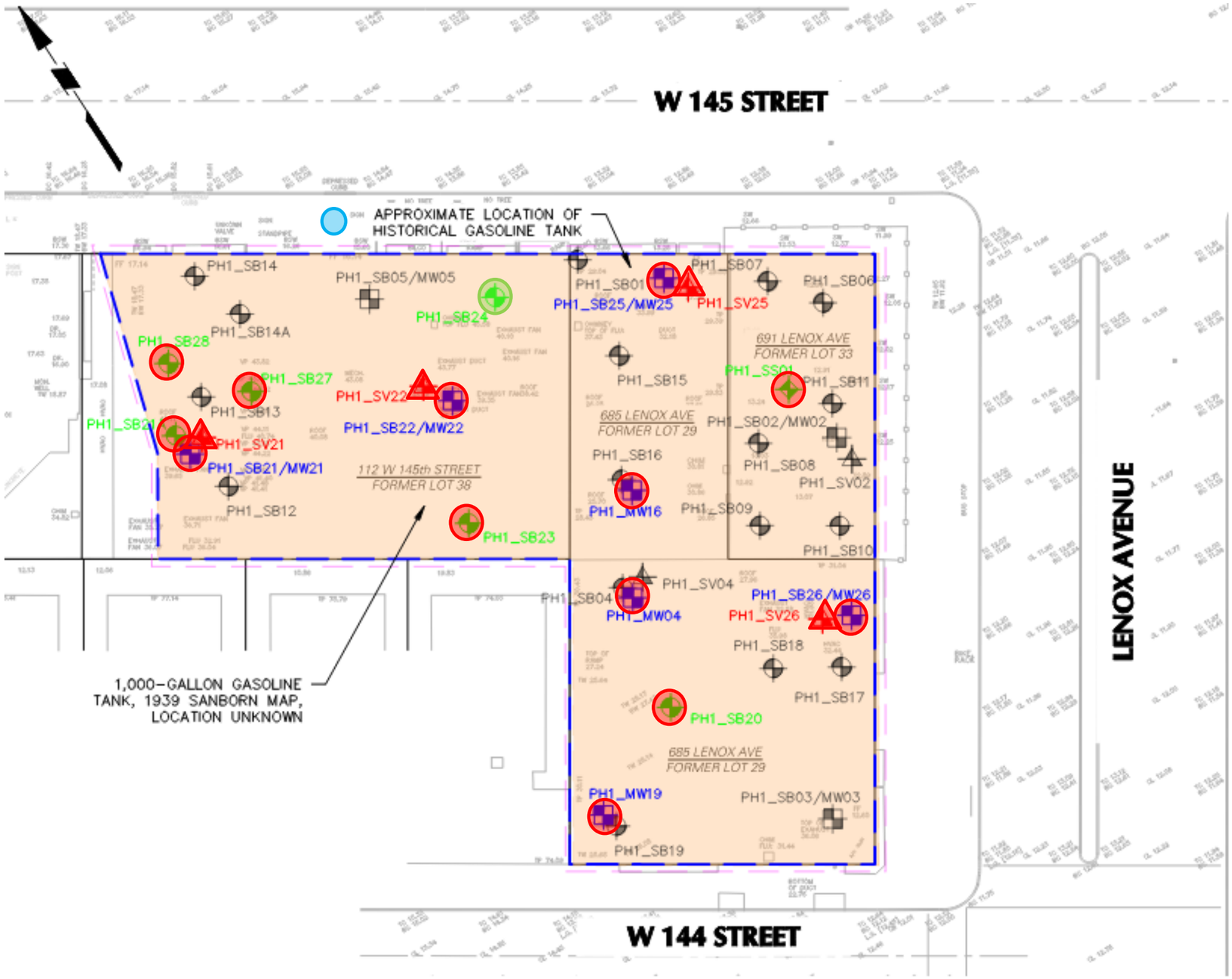
Air Monitoring:

- Langan conducted real-time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM10) in the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).

Planned Activities:

- Implement the scope of work as outlined in the July 19, 2022 RIWP.

SITE PLAN

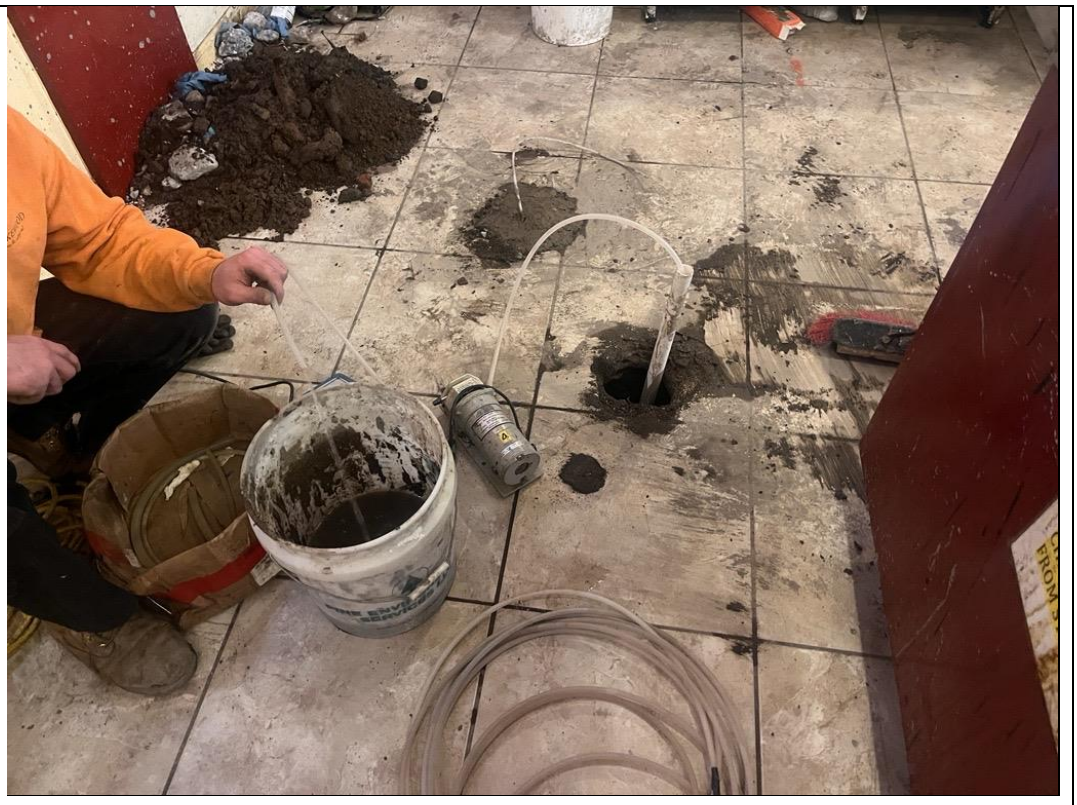


LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **CAMP Station**
- **Sample Location Completed Today**
- **Sample Location Previously Completed**
- **Soil Vapor Point Completed**
- **Soil Vapor Point Sampled Today**

File Name: 2024-03-08 Daily Field Report_14

Photo Log

Photo 1: Lakewood developing groundwater monitoring well PH1_MW26 (facing down)	
Photo 2: Langan conducting helium shroud test on PH1_SV25 (facing down)	

LANGAN

687 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/8/2024
Start: 6:53 AM
End: 11:59 AM
Observer: Camille Quick

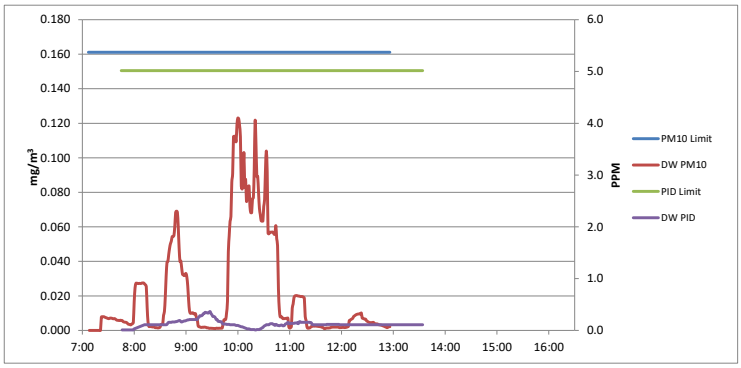
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.011	0.001
Maximum 15min Average	0.011	0.123
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.010	0.000
Maximum 1min Reading	0.011	0.535

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.0	0.1
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.4
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.7

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Friday, March 8, 2024						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						335
170635401						6:53
End Time:						14:04
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
6:53	0.014		6:53			
6:54	0.012		6:54			
6:55	0.015		6:55			
6:56	0.012		6:56			
6:57	0.009		6:57			
6:58	0.013		6:58			
6:59	0.010		6:59			
7:00	0.011		7:00			
7:01	0.010		7:01			
7:02	0.010		7:02			
7:03	0.010		7:03			
7:04	0.010		7:04			
7:05	0.010		7:05			
7:06	0.011		7:06			
7:07	0.010	0.011	7:07			
7:08		0.011	7:08	0.011	-	
7:09	-	0.011	7:09	0.010	-	
7:10	-	0.011	7:10	0.009	-	
7:11	-	0.011	7:11	0.009	-	
7:12	-	0.011	7:12	0.009	-	
7:13	-	0.011	7:13	0.008	-	
7:14	-	0.011	7:14	0.008	-	
7:15	-	0.011	7:15	0.008	-	
7:16	-	0.011	7:16	0.007	-	
7:17	-	0.011	7:17	0.007	-	
7:18	-	0.011	7:18	0.006	-	
7:19	-	0.011	7:19	0.006	-	
7:20	-	0.011	7:20	0.007	-	
7:21	-	0.011	7:21	0.006	-	
7:22	-	0.011	7:22	0.006	0.008	-
7:23	-	0.011	7:23	0.013	0.008	-
7:24	-	0.011	7:24	0.010	0.008	-
7:25	-	0.011	7:25	0.009	0.008	-
7:26	-	0.011	7:26	0.005	0.008	-
7:27	-	0.011	7:27	0.006	0.007	-
7:28	-	0.011	7:28	0.005	0.007	-
7:29	-	0.011	7:29	0.005	0.007	-
7:30	-	0.011	7:30	0.005	0.007	-
7:31	-	0.011	7:31	0.007	0.007	-
7:32	-	0.011	7:32	0.011	0.007	-
7:33	-	0.011	7:33	0.006	0.007	-
7:34	-	0.011	7:34	0.005	0.007	-
7:35	-	0.011	7:35	0.004	0.007	-
7:36	-	0.011	7:36	0.004	0.007	-
7:37	-	0.011	7:37	0.008	0.007	-
7:38	-	0.011	7:38	0.010	0.007	-
7:39	-	0.011	7:39	0.004	0.006	-
7:40	-	0.011	7:40	0.004	0.006	-
7:41	-	0.011	7:41	0.004	0.006	-
7:42	-	0.011	7:42	0.005	0.006	-
7:43	-	0.011	7:43	0.004	0.006	-
7:44	-	0.011	7:44	0.008	0.006	-
7:45	-	0.011	7:45	0.002	0.006	-
7:46	-	0.011	7:46	0.008	0.006	-
7:47	-	0.011	7:47	0.002	0.005	-
7:48	-	0.011	7:48	0.002	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
7:49	-	0.011	7:49	0.003	0.005	-
7:50	-	0.011	7:50	0.003	0.005	-
7:51	-	0.011	7:51	0.002	0.005	-
7:52	-	0.011	7:52	0.002	0.004	-
7:53	-	0.011	7:53	0.002	0.004	-
7:54	-	0.011	7:54	0.002	0.004	-
7:55	-	0.011	7:55	0.002	0.003	-
7:56	-	0.011	7:56	0.001	0.003	-
7:57	-	0.011	7:57	0.011	0.004	-
7:58	-	0.011	7:58	0.009	0.004	-
7:59	-	0.011	7:59	0.017	0.005	-
8:00	-	0.011	8:00	0.183	0.017	-
8:01	-	0.011	8:01	0.129	0.025	-
8:02	-	0.011	8:02	0.042	0.027	-
8:03	-	0.011	8:03	0.002	0.027	-
8:04	-	0.011	8:04	0.002	0.027	-
8:05	-	0.011	8:05	0.001	0.027	-
8:06	-	0.011	8:06	0.004	0.027	-
8:07	-	0.011	8:07	0.001	0.027	-
8:08	-	0.011	8:08	0.002	0.027	-
8:09	-	0.011	8:09	0.006	0.027	-
8:10	-	0.011	8:10	0.002	0.027	-
8:11	-	0.011	8:11	0.001	0.027	-
8:12	-	0.011	8:12	0.003	0.027	-
8:13	-	0.011	8:13	0.001	0.026	-
8:14	-	0.011	8:14	0.003	0.025	-
8:15	-	0.011	8:15	0.001	0.013	-
8:16	-	0.011	8:16	0.003	0.005	-
8:17	-	0.011	8:17	0.002	0.002	-
8:18	-	0.011	8:18	0.002	0.002	-
8:19	-	0.011	8:19	0.001	0.002	-
8:20	-	0.011	8:20	0.001	0.002	-
8:21	-	0.011	8:21	0.001	0.002	-
8:22	-	0.011	8:22	0.002	0.002	-
8:23	-	0.011	8:23	0.001	0.002	-
8:24	-	0.011	8:24	0.001	0.002	-
8:25	-	0.011	8:25	0.001	0.002	-
8:26	-	0.011	8:26	0.001	0.002	-
8:27	-	0.011	8:27	0.001	0.001	-
8:28	-	0.011	8:28	0.001	0.001	-
8:29	-	0.011	8:29	0.005	0.002	-
8:30	-	0.011	8:30	0.006	0.002	-
8:31	-	0.011	8:31	0.025	0.003	-
8:32	-	0.011	8:32	0.003	0.003	-
8:33	-	0.011	8:33	0.002	0.003	-
8:34	-	0.011	8:34	0.081	0.009	-
8:35	-	0.011	8:35	0.033	0.011	-
8:36	-	0.011	8:36	0.128	0.019	-
8:37	-	0.011	8:37	0.183	0.031	-
8:38	-	0.011	8:38	0.120	0.039	-
8:39	-	0.011	8:39	0.010	0.040	-
8:40	-	0.011	8:40	0.062	0.044	-
8:41	-	0.011	8:41	0.056	0.048	-
8:42	-	0.011	8:42	0.039	0.050	-
8:43	-	0.011	8:43	0.023	0.052	-
8:44	-	0.011	8:44	0.045	0.054	-
8:45	-	0.011	8:45	0.006	0.054	-
8:46	-	0.011	8:46	0.034	0.055	-
8:47	-	0.011	8:47	0.081	0.060	-
8:48	-	0.011	8:48	0.124	0.068	-
8:49	-	0.011	8:49	0.093	0.069	-
8:50	-	0.011	8:50	0.024	0.069	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
8:51	-	0.011	8:51	0.000	0.060	-
8:52	-	0.011	8:52	0.001	0.048	-
8:53	-	0.011	8:53	0.001	0.040	-
8:54	-	0.011	8:54	0.014	0.040	-
8:55	-	0.011	8:55	0.001	0.036	-
8:56	-	0.011	8:56	0.000	0.032	-
8:57	-	0.011	8:57	0.037	0.032	-
8:58	-	0.011	8:58	0.015	0.032	-
8:59	-	0.011	8:59	0.058	0.033	-
9:00	-	0.011	9:00	0.011	0.033	-
9:01	-	0.011	9:01	0.002	0.031	-
9:02	-	0.011	9:02	0.005	0.026	-
9:03	-	0.011	9:03	0.002	0.018	-
9:04	-	0.011	9:04	0.000	0.011	-
9:05	-	0.011	9:05	0.002	0.010	-
9:06	-	0.011	9:06	0.000	0.010	-
9:07	-	0.011	9:07	0.004	0.010	-
9:08	-	0.011	9:08	0.002	0.010	-
9:09	-	0.011	9:09	0.005	0.010	-
9:10	-	0.011	9:10	0.001	0.010	-
9:11	-	0.011	9:11	0.002	0.010	-
9:12	-	0.011	9:12	0.003	0.007	-
9:13	-	0.011	9:13	0.001	0.007	-
9:14	-	0.011	9:14	0.001	0.003	-
9:15	-	0.011	9:15	0.002	0.002	-
9:16	-	0.011	9:16	0.001	0.002	-
9:17	-	0.011	9:17	0.001	0.002	-
9:18	-	0.011	9:18	0.001	0.002	-
9:19	-	0.011	9:19	0.002	0.002	-
9:20	-	0.011	9:20	0.001	0.002	-
9:21	-	0.011	9:21	0.002	0.002	-
9:22	-	0.011	9:22	0.003	0.002	-
9:23	-	0.011	9:23	0.001	0.002	-
9:24	-	0.011	9:24	0.001	0.002	-
9:25	-	0.011	9:25	0.001	0.002	-
9:26	-	0.011	9:26	0.000	0.001	-
9:27	-	0.011	9:27	0.000	0.001	-
9:28	-	0.011	9:28	0.002	0.001	-
9:29	-	0.011	9:29	0.001	0.001	-
9:30	-	0.011	9:30	0.001	0.001	-
9:31	-	0.011	9:31	0.001	0.001	-
9:32	-	0.011	9:32	0.000	0.001	-
9:33	-	0.011	9:33	0.001	0.001	-
9:34	-	0.011	9:34	0.001	0.001	-
9:35	-	0.011	9:35	0.004	0.001	-
9:36	-	0.011	9:36	0.002	0.001	-
9:37	-	0.011	9:37	0.002	0.001	-
9:38	-	0.011	9:38	0.002	0.001	-
9:39	-	0.011	9:39	0.001	0.001	-
9:40	-	0.011	9:40	0.001	0.001	-
9:41	-	0.011	9:41	0.001	0.001	-
9:42	-	0.011	9:42	0.001	0.001	-
9:43	-	0.011	9:43	0.045	0.004	-
9:44	-	0.011	9:44	0.030	0.006	-
9:45	-	0.011	9:45	0.000	0.006	-
9:46	-	0.011	9:46	0.006	0.006	-
9:47	-	0.011	9:47	0.058	0.010	-
9:48	-	0.011	9:48	0.098	0.017	-
9:49	-	0.011	9:49	0.431	0.045	-
9:50	-	0.011	9:50	0.143	0.055	-
9:51	-	0.011	9:51	0.129	0.063	-
9:52	-	0.011	9:52	0.044	0.066	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
9:53	-	0.011	9:53	0.299	0.086	-
9:54	-	0.011	9:54	0.077	0.091	-
9:55	-	0.011	9:55	0.323	0.112	-
9:56	-	0.011	9:56	0.002	0.112	-
9:57	-	0.011	9:57	0.001	0.112	-
9:58	-	0.011	9:58	0.000	0.109	-
9:59	-	0.011	9:59	0.178	0.119	-
10:00	-	0.011	10:00	0.056	0.123	-
10:01	-	0.011	10:01	0.000	0.123	-
10:02	-	0.011	10:02	0.000	0.119	-
10:03	-	0.011	10:03	0.000	0.112	-
10:04	-	0.011	10:04	0.001	0.084	-
10:05	-	0.011	10:05	0.118	0.082	-
10:06	-	0.011	10:06	0.200	0.087	-
10:07	-	0.011	10:07	0.291	0.103	-
10:08	-	0.011	10:08	0.000	0.083	-
10:09	-	0.011	10:09	0.144	0.088	-
10:10	-	0.011	10:10	0.134	0.075	-
10:11	-	0.011	10:11	0.058	0.079	-
10:12	-	0.011	10:12	0.070	0.083	-
10:13	-	0.011	10:13	0.005	0.084	-
10:14	-	0.011	10:14	0.001	0.072	-
10:15	-	0.011	10:15	0.001	0.068	-
10:16	-	0.011	10:16	0.001	0.068	-
10:17	-	0.011	10:17	0.120	0.076	-
10:18	-	0.011	10:18	0.010	0.077	-
10:19	-	0.011	10:19	0.252	0.094	-
10:20	-	0.011	10:20	0.535	0.121	-
10:21	-	0.011	10:21	0.005	0.108	-
10:22	-	0.011	10:22	0.001	0.089	-
10:23	-	0.011	10:23	0.001	0.089	-
10:24	-	0.011	10:24	0.001	0.080	-
10:25	-	0.011	10:25	0.000	0.071	-
10:26	-	0.011	10:26	0.005	0.067	-
10:27	-	0.011	10:27	0.015	0.064	-
10:28	-	0.011	10:28	0.002	0.063	-
10:29	-	0.011	10:29	0.001	0.063	-
10:30	-	0.011	10:30	0.129	0.072	-
10:31	-	0.011	10:31	0.060	0.076	-
10:32	-	0.011	10:32	0.377	0.093	-
10:33	-	0.011	10:33	0.175	0.104	-
10:34	-	0.011	10:34	0.070	0.092	-
10:35	-	0.011	10:35	0.002	0.056	-
10:36	-	0.011	10:36	0.000	0.056	-
10:37	-	0.011	10:37	0.015	0.057	-
10:38	-	0.011	10:38	0.001	0.057	-
10:39	-	0.011	10:39	0.002	0.057	-
10:40	-	0.011	10:40	0.001	0.057	-
10:41	-	0.011	10:41	0.000	0.057	-
10:42	-	0.011	10:42	0.001	0.056	-
10:43	-	0.011	10:43	0.001	0.056	-
10:44	-	0.011	10:44	0.077	0.061	-
10:45	-	0.011	10:45	0.014	0.053	-
10:46	-	0.011	10:46	0.001	0.049	-
10:47	-	0.011	10:47	0.001	0.024	-
10:48	-	0.011	10:48	0.001	0.012	-
10:49	-	0.011	10:49	0.001	0.008	-
10:50	-	0.011	10:50	0.001	0.008	-
10:51	-	0.011	10:51	0.000	0.008	-
10:52	-	0.011	10:52	0.001	0.007	-
10:53	-	0.011	10:53	0.001	0.007	-
10:54	-	0.011	10:54	0.002	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:55	-	0.011	10:55	0.002	0.007	-
10:56	-	0.011	10:56	0.001	0.007	-
10:57	-	0.011	10:57	0.002	0.007	-
10:58	-	0.011	10:58	0.002	0.007	-
10:59	-	0.011	10:59	0.001	0.002	-
11:00	-	0.011	11:00	0.003	0.001	-
11:01	-	0.011	11:01	0.005	0.002	-
11:02	-	0.011	11:02	0.010	0.002	-
11:03	-	0.011	11:03	0.162	0.013	-
11:04	-	0.011	11:04	0.035	0.015	-
11:05	-	0.011	11:05	0.058	0.019	-
11:06	-	0.011	11:06	0.014	0.020	-
11:07	-	0.011	11:07	0.004	0.020	-
11:08	-	0.011	11:08	0.002	0.020	-
11:09	-	0.011	11:09	0.000	0.020	-
11:10	-	0.011	11:10	0.000	0.020	-
11:11	-	0.011	11:11	0.000	0.020	-
11:12	-	0.011	11:12	0.000	0.020	-
11:13	-	0.011	11:13	0.000	0.020	-
11:14	-	0.011	11:14	0.002	0.020	-
11:15	-	0.011	11:15	0.001	0.020	-
11:16	-	0.011	11:16	0.001	0.019	-
11:17	-	0.011	11:17	0.002	0.019	-
11:18	-	0.011	11:18	0.002	0.008	-
11:19	-	0.011	11:19	0.002	0.006	-
11:20	-	0.011	11:20	0.002	0.002	-
11:21	-	0.011	11:21	0.001	0.001	-
11:22	-	0.011	11:22	0.006	0.001	-
11:23	-	0.011	11:23	0.002	0.001	-
11:24	-	0.011	11:24	0.005	0.002	-
11:25	-	0.011	11:25	0.008	0.002	-
11:26	-	0.011	11:26	0.001	0.002	-
11:27	-	0.011	11:27	0.002	0.002	-
11:28	-	0.011	11:28	0.001	0.003	-
11:29	-	0.011	11:29	0.001	0.002	-
11:30	-	0.011	11:30	0.002	0.003	-
11:31	-	0.011	11:31	0.000	0.002	-
11:32	-	0.011	11:32	0.001	0.002	-
11:33	-	0.011	11:33	0.001	0.002	-
11:34	-	0.011	11:34	0.001	0.002	-
11:35	-	0.011	11:35	0.001	0.002	-
11:36	-	0.011	11:36	0.001	0.002	-
11:37	-	0.011	11:37	0.001	0.002	-
11:38	-	0.011	11:38	0.001	0.002	-
11:39	-	0.011	11:39	0.001	0.002	-
11:40	-	0.011	11:40	0.001	0.001	-
11:41	-	0.011	11:41	0.001	0.001	-
11:42	-	0.011	11:42	0.005	0.001	-
11:43	-	0.011	11:43	0.003	0.001	-
11:44	-	0.011	11:44	0.001	0.001	-
11:45	-	0.011	11:45	0.002	0.001	-
11:46	-	0.011	11:46	0.001	0.001	-
11:47	-	0.011	11:47	0.002	0.002	-
11:48	-	0.011	11:48	0.005	0.002	-
11:49	-	0.011	11:49	0.002	0.002	-
11:50	-	0.011	11:50	0.002	0.002	-
11:51	-	0.011	11:51	0.001	0.002	-
11:52	-	0.011	11:52	0.001	0.002	-
11:53	-	0.011	11:53	0.001	0.002	-
11:54	-	0.011	11:54	0.001	0.002	-
11:55	-	0.011	11:55	0.001	0.002	-
11:56	-	0.011	11:56	0.002	0.002	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:57	-	0.011	11:57	0.001	0.002	-
11:58	-	0.011	11:58	0.001	0.002	-
11:59	-	0.011	11:59	0.002	0.002	-
12:00	-	0.011	12:00	0.002	0.002	-
12:01	-	0.011	12:01	0.002	0.002	-
12:02	-	0.011	12:02	0.003	0.002	-
12:03	-	0.011	12:03	0.003	0.002	-
12:04	-	0.011	12:04	0.002	0.002	-
12:05	-	0.011	12:05	0.003	0.002	-
12:06	-	0.011	12:06	0.003	0.002	-
12:07	-	0.011	12:07	0.005	0.002	-
12:08	-	0.011	12:08	0.003	0.002	-
12:09	-	0.011	12:09	0.052	0.006	-
12:10	-	0.011	12:10	0.005	0.006	-
12:11	-	0.011	12:11	0.008	0.006	-
12:12	-	0.011	12:12	0.006	0.007	-
12:13	-	0.011	12:13	0.006	0.007	-
12:14	-	0.011	12:14	0.017	0.008	-
12:15	-	0.011	12:15	0.008	0.008	-
12:16	-	0.011	12:16	0.008	0.009	-
12:17	-	0.011	12:17	0.008	0.009	-
12:18	-	0.011	12:18	0.006	0.009	-
12:19	-	0.011	12:19	0.004	0.009	-
12:20	-	0.011	12:20	0.004	0.010	-
12:21	-	0.011	12:21	0.004	0.010	-
12:22	-	0.011	12:22	0.003	0.009	-
12:23	-	0.011	12:23	0.012	0.010	-
12:24	-	0.011	12:24	0.008	0.007	-
12:25	-	0.011	12:25	0.004	0.007	-
12:26	-	0.011	12:26	0.003	0.007	-
12:27	-	0.011	12:27	0.003	0.007	-
12:28	-	0.011	12:28	0.006	0.007	-
12:29	-	0.011	12:29	0.003	0.006	-
12:30	-	0.011	12:30	0.003	0.005	-
12:31	-	0.011	12:31	0.003	0.005	-
12:32	-	0.011	12:32	0.004	0.005	-
12:33	-	0.011	12:33	0.004	0.005	-
12:34	-	0.011	12:34	0.004	0.005	-
12:35	-	0.011	12:35	0.004	0.005	-
12:36	-	0.011	12:36	0.005	0.005	-
12:37	-	0.011	12:37	0.004	0.005	-
12:38	-	0.011	12:38	0.005	0.004	-
12:39	-	0.011	12:39	0.003	0.004	-
12:40	-	0.011	12:40	0.003	0.004	-
12:41	-	0.011	12:41	0.003	0.004	-
12:42	-	0.011	12:42	0.001	0.004	-
12:43	-	0.011	12:43	0.001	0.003	-
12:44	-	0.011	12:44	0.002	0.003	-
12:45	-	0.011	12:45	0.001	0.003	-
12:46	-	0.011	12:46	0.002	0.003	-
12:47	-	0.011	12:47	0.001	0.003	-
12:48	-	0.011	12:48	0.001	0.003	-
12:49	-	0.011	12:49	0.001	0.002	-
12:50	-	0.011	12:50	0.001	0.002	-
12:51	-	0.011	12:51	0.001	0.002	-
12:52	-	0.011	12:52	0.001	0.002	-
12:53	-	0.011	12:53	0.002	0.002	-
12:54	-	0.011	12:54	0.008	0.002	-
12:55	-	0.011	12:55	0.007	0.002	-
12:56	-	0.011	12:56	0.002	0.002	-

Friday, March 8, 2024						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						349
170635401						7:31
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
7:31	0.0		7:31			
7:32	0.0		7:32			
7:33	0.0		7:33			
7:34	0.0		7:34			
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.1		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0	0.0	7:45			
7:46	-	0.0	7:46	0.0	-	-
7:47	-	0.0	7:47	0.0	-	-
7:48	-	0.0	7:48	0.0	-	-
7:49	-	0.0	7:49	0.0	-	-
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.1	-	-
7:59	-	0.0	7:59	0.1	-	-
8:00	-	0.0	8:00	0.1	0.0	-
8:01	-	0.0	8:01	0.1	0.0	-
8:02	-	0.0	8:02	0.1	0.0	-
8:03	-	0.0	8:03	0.1	0.0	-
8:04	-	0.0	8:04	0.1	0.0	-
8:05	-	0.0	8:05	0.1	0.1	-
8:06	-	0.0	8:06	0.1	0.1	-
8:07	-	0.0	8:07	0.1	0.1	-
8:08	-	0.0	8:08	0.1	0.1	-
8:09	-	0.0	8:09	0.1	0.1	-
8:10	-	0.0	8:10	0.1	0.1	-
8:11	-	0.0	8:11	0.1	0.1	-
8:12	-	0.0	8:12	0.1	0.1	-
8:13	-	0.0	8:13	0.1	0.1	-
8:14	-	0.0	8:14	0.1	0.1	-
8:15	-	0.0	8:15	0.1	0.1	-
8:16	-	0.0	8:16	0.1	0.1	-
8:17	-	0.0	8:17	0.1	0.1	-
8:18	-	0.0	8:18	0.1	0.1	-
8:19	-	0.0	8:19	0.1	0.1	-
8:20	-	0.0	8:20	0.1	0.1	-
8:21	-	0.0	8:21	0.1	0.1	-
8:22	-	0.0	8:22	0.1	0.1	-
8:23	-	0.0	8:23	0.1	0.1	-
8:24	-	0.0	8:24	0.1	0.1	-
8:25	-	0.0	8:25	0.1	0.1	-
8:26	-	0.0	8:26	0.1	0.1	-
8:27	-	0.0	8:27	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
8:28	-	0.0	8:28	0.1	0.1	-
8:29	-	0.0	8:29	0.1	0.1	-
8:30	-	0.0	8:30	0.1	0.1	-
8:31	-	0.0	8:31	0.1	0.1	-
8:32	-	0.0	8:32	0.1	0.1	-
8:33	-	0.0	8:33	0.1	0.1	-
8:34	-	0.0	8:34	0.1	0.1	-
8:35	-	0.0	8:35	0.1	0.1	-
8:36	-	0.0	8:36	0.1	0.1	-
8:37	-	0.0	8:37	0.1	0.1	-
8:38	-	0.0	8:38	0.2	0.1	-
8:39	-	0.0	8:39	0.5	0.1	-
8:40	-	0.0	8:40	0.3	0.1	-
8:41	-	0.0	8:41	0.1	0.1	-
8:42	-	0.0	8:42	0.1	0.1	-
8:43	-	0.0	8:43	0.1	0.1	-
8:44	-	0.0	8:44	0.2	0.2	-
8:45	-	0.0	8:45	0.1	0.2	-
8:46	-	0.0	8:46	0.1	0.2	-
8:47	-	0.0	8:47	0.1	0.2	-
8:48	-	0.0	8:48	0.2	0.2	-
8:49	-	0.0	8:49	0.1	0.2	-
8:50	-	0.0	8:50	0.2	0.2	-
8:51	-	0.0	8:51	0.2	0.2	-
8:52	-	0.0	8:52	0.2	0.2	-
8:53	-	0.0	8:53	0.2	0.2	-
8:54	-	0.0	8:54	0.2	0.2	-
8:55	-	0.0	8:55	0.2	0.2	-
8:56	-	0.0	8:56	0.2	0.2	-
8:57	-	0.0	8:57	0.2	0.2	-
8:58	-	0.0	8:58	0.2	0.2	-
8:59	-	0.0	8:59	0.2	0.2	-
9:00	-	0.0	9:00	0.2	0.2	-
9:01	-	0.0	9:01	0.2	0.2	-
9:02	-	0.0	9:02	0.2	0.2	-
9:03	-	0.0	9:03	0.2	0.2	-
9:04	-	0.0	9:04	0.2	0.2	-
9:05	-	0.0	9:05	0.2	0.2	-
9:06	-	0.0	9:06	0.2	0.2	-
9:07	-	0.0	9:07	0.2	0.2	-
9:08	-	0.0	9:08	0.2	0.2	-
9:09	-	0.0	9:09	0.2	0.2	-
9:10	-	0.0	9:10	0.2	0.2	-
9:11	-	0.0	9:11	0.2	0.2	-
9:12	-	0.0	9:12	0.2	0.2	-
9:13	-	0.0	9:13	0.2	0.2	-
9:14	-	0.0	9:14	0.7	0.2	-
9:15	-	0.0	9:15	0.4	0.2	-
9:16	-	0.0	9:16	0.6	0.3	-
9:17	-	0.0	9:17	0.2	0.3	-
9:18	-	0.0	9:18	0.2	0.3	-
9:19	-	0.0	9:19	0.4	0.3	-
9:20	-	0.0	9:20	0.6	0.3	-
9:21	-	0.0	9:21	0.2	0.3	-
9:22	-	0.0	9:22	0.6	0.3	-
9:23	-	0.0	9:23	0.1	0.3	-
9:24	-	0.0	9:24	0.2	0.3	-
9:25	-	0.0	9:25	0.1	0.3	-
9:26	-	0.0	9:26	0.2	0.3	-
9:27	-	0.0	9:27	0.5	0.3	-
9:28	-	0.0	9:28	0.3	0.4	-
9:29	-	0.0	9:29	0.1	0.3	-
9:30	-	0.0	9:30	0.1	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
9:31	-	0.0	9:31	0.1	0.3	-
9:32	-	0.0	9:32	0.2	0.3	-
9:33	-	0.0	9:33	0.1	0.3	-
9:34	-	0.0	9:34	0.1	0.2	-
9:35	-	0.0	9:35	0.1	0.2	-
9:36	-	0.0	9:36	0.2	0.2	-
9:37	-	0.0	9:37	0.1	0.2	-
9:38	-	0.0	9:38	0.1	0.2	-
9:39	-	0.0	9:39	0.1	0.2	-
9:40	-	0.0	9:40	0.1	0.2	-
9:41	-	0.0	9:41	0.1	0.2	-
9:42	-	0.0	9:42	0.1	0.1	-
9:43	-	0.0	9:43	0.1	0.1	-
9:44	-	0.0	9:44	0.1	0.1	-
9:45	-	0.0	9:45	0.1	0.1	-
9:46	-	0.0	9:46	0.1	0.1	-
9:47	-	0.0	9:47	0.1	0.1	-
9:48	-	0.0	9:48	0.1	0.1	-
9:49	-	0.0	9:49	0.1	0.1	-
9:50	-	0.0	9:50	0.1	0.1	-
9:51	-	0.0	9:51	0.1	0.1	-
9:52	-	0.0	9:52	0.1	0.1	-
9:53	-	0.0	9:53	0.1	0.1	-
9:54	-	0.0	9:54	0.1	0.1	-
9:55	-	0.0	9:55	0.1	0.1	-
9:56	-	0.0	9:56	0.1	0.1	-
9:57	-	0.0	9:57	0.0	0.1	-
9:58	-	0.0	9:58	0.0	0.1	-
9:59	-	0.0	9:59	0.1	0.1	-
10:00	-	0.0	10:00	0.1	0.1	-
10:01	-	0.0	10:01	0.0	0.1	-
10:02	-	0.0	10:02	0.0	0.1	-
10:03	-	0.0	10:03	0.0	0.1	-
10:04	-	0.0	10:04	0.0	0.1	-
10:05	-	0.0	10:05	0.1	0.1	-
10:06	-	0.0	10:06	0.0	0.1	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.1	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.2	0.0	-
10:27	-	0.0	10:27	0.1	0.0	-
10:28	-	0.0	10:28	0.2	0.0	-
10:29	-	0.0	10:29	0.1	0.0	-
10:30	-	0.0	10:30	0.3	0.1	-
10:31	-	0.0	10:31	0.2	0.1	-
10:32	-	0.0	10:32	0.1	0.1	-
10:33	-	0.0	10:33	0.2	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
10:34	-	0.0	10:34	0.0	0.1	-
10:35	-	0.0	10:35	0.0	0.1	-
10:36	-	0.0	10:36	0.0	0.1	-
10:37	-	0.0	10:37	0.3	0.1	-
10:38	-	0.0	10:38	0.1	0.1	-
10:39	-	0.0	10:39	0.0	0.1	-
10:40	-	0.0	10:40	0.0	0.1	-
10:41	-	0.0	10:41	0.0	0.1	-
10:42	-	0.0	10:42	0.0	0.1	-
10:43	-	0.0	10:43	0.0	0.1	-
10:44	-	0.0	10:44	0.4	0.1	-
10:45	-	0.0	10:45	0.2	0.1	-
10:46	-	0.0	10:46	0.0	0.1	-
10:47	-	0.0	10:47	0.1	0.1	-
10:48	-	0.0	10:48	0.1	0.1	-
10:49	-	0.0	10:49	0.1	0.1	-
10:50	-	0.0	10:50	0.1	0.1	-
10:51	-	0.0	10:51	0.0	0.1	-
10:52	-	0.0	10:52	0.1	0.1	-
10:53	-	0.0	10:53	0.1	0.1	-
10:54	-	0.0	10:54	0.1	0.1	-
10:55	-	0.0	10:55	0.4	0.1	-
10:56	-	0.0	10:56	0.1	0.1	-
10:57	-	0.0	10:57	0.1	0.1	-
10:58	-	0.0	10:58	0.3	0.1	-
10:59	-	0.0	10:59	0.1	0.1	-
11:00	-	0.0	11:00	0.1	0.1	-
11:01	-	0.0	11:01	0.1	0.1	-
11:02	-	0.0	11:02	0.1	0.1	-
11:03	-	0.0	11:03	0.1	0.1	-
11:04	-	0.0	11:04	0.1	0.1	-
11:05	-	0.0	11:05	0.1	0.1	-
11:06	-	0.0	11:06	0.1	0.1	-
11:07	-	0.0	11:07	0.1	0.1	-
11:08	-	0.0	11:08	0.1	0.1	-
11:09	-	0.0	11:09	0.2	0.1	-
11:10	-	0.0	11:10	0.1	0.1	-
11:11	-	0.0	11:11	0.6	0.2	-
11:12	-	0.0	11:12	0.2	0.2	-
11:13	-	0.0	11:13	0.1	0.1	-
11:14	-	0.0	11:14	0.1	0.1	-
11:15	-	0.0	11:15	0.1	0.1	-
11:16	-	0.0	11:16	0.1	0.1	-
11:17	-	0.0	11:17	0.1	0.1	-
11:18	-	0.0	11:18	0.1	0.1	-
11:19	-	0.0	11:19	0.1	0.1	-
11:20	-	0.0	11:20	0.1	0.1	-
11:21	-	0.0	11:21	0.1	0.1	-
11:22	-	0.0	11:22	0.1	0.1	-
11:23	-	0.0	11:23	0.1	0.1	-
11:24	-	0.0	11:24	0.1	0.1	-
11:25	-	0.0	11:25	0.1	0.1	-
11:26	-	0.0	11:26	0.1	0.1	-
11:27	-	0.0	11:27	0.1	0.1	-
11:28	-	0.0	11:28	0.1	0.1	-
11:29	-	0.0	11:29	0.1	0.1	-
11:30	-	0.0	11:30	0.1	0.1	-
11:31	-	0.0	11:31	0.1	0.1	-
11:32	-	0.0	11:32	0.1	0.1	-
11:33	-	0.0	11:33	0.1	0.1	-
11:34	-	0.0	11:34	0.1	0.1	-
11:35	-	0.0	11:35	0.1	0.1	-
11:36	-	0.0	11:36	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
11:37	-	0.0	11:37	0.1	0.1	-
11:38	-	0.0	11:38	0.1	0.1	-
11:39	-	0.0	11:39	0.1	0.1	-
11:40	-	0.0	11:40	0.1	0.1	-
11:41	-	0.0	11:41	0.1	0.1	-
11:42	-	0.0	11:42	0.1	0.1	-
11:43	-	0.0	11:43	0.2	0.1	-
11:44	-	0.0	11:44	0.1	0.1	-
11:45	-	0.0	11:45	0.1	0.1	-
11:46	-	0.0	11:46	0.1	0.1	-
11:47	-	0.0	11:47	0.1	0.1	-
11:48	-	0.0	11:48	0.1	0.1	-
11:49	-	0.0	11:49	0.1	0.1	-
11:50	-	0.0	11:50	0.1	0.1	-
11:51	-	0.0	11:51	0.1	0.1	-
11:52	-	0.0	11:52	0.1	0.1	-
11:53	-	0.0	11:53	0.1	0.1	-
11:54	-	0.0	11:54	0.1	0.1	-
11:55	-	0.0	11:55	0.1	0.1	-
11:56	-	0.0	11:56	0.1	0.1	-
11:57	-	0.0	11:57	0.1	0.1	-
11:58	-	0.0	11:58	0.1	0.1	-
11:59	-	0.0	11:59	0.1	0.1	-
12:00	-	0.0	12:00	0.1	0.1	-
12:01	-	0.0	12:01	0.1	0.1	-
12:02	-	0.0	12:02	0.1	0.1	-
12:03	-	0.0	12:03	0.1	0.1	-
12:04	-	0.0	12:04	0.1	0.1	-
12:05	-	0.0	12:05	0.1	0.1	-
12:06	-	0.0	12:06	0.1	0.1	-
12:07	-	0.0	12:07	0.1	0.1	-
12:08	-	0.0	12:08	0.1	0.1	-
12:09	-	0.0	12:09	0.1	0.1	-
12:10	-	0.0	12:10	0.1	0.1	-
12:11	-	0.0	12:11	0.1	0.1	-
12:12	-	0.0	12:12	0.1	0.1	-
12:13	-	0.0	12:13	0.1	0.1	-
12:14	-	0.0	12:14	0.1	0.1	-
12:15	-	0.0	12:15	0.1	0.1	-
12:16	-	0.0	12:16	0.1	0.1	-
12:17	-	0.0	12:17	0.1	0.1	-
12:18	-	0.0	12:18	0.1	0.1	-
12:19	-	0.0	12:19	0.1	0.1	-
12:20	-	0.0	12:20	0.1	0.1	-
12:21	-	0.0	12:21	0.1	0.1	-
12:22	-	0.0	12:22	0.1	0.1	-
12:23	-	0.0	12:23	0.1	0.1	-
12:24	-	0.0	12:24	0.1	0.1	-
12:25	-	0.0	12:25	0.1	0.1	-
12:26	-	0.0	12:26	0.1	0.1	-
12:27	-	0.0	12:27	0.1	0.1	-
12:28	-	0.0	12:28	0.1	0.1	-
12:29	-	0.0	12:29	0.1	0.1	-
12:30	-	0.0	12:30	0.1	0.1	-
12:31	-	0.0	12:31	0.1	0.1	-
12:32	-	0.0	12:32	0.1	0.1	-
12:33	-	0.0	12:33	0.1	0.1	-
12:34	-	0.0	12:34	0.1	0.1	-
12:35	-	0.0	12:35	0.1	0.1	-
12:36	-	0.0	12:36	0.1	0.1	-
12:37	-	0.0	12:37	0.1	0.1	-
12:38	-	0.0	12:38	0.1	0.1	-
12:39	-	0.0	12:39	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
12:40	-	0.0	12:40	0.1	0.1	-
12:41	-	0.0	12:41	0.1	0.1	-
12:42	-	0.0	12:42	0.1	0.1	-
12:43	-	0.0	12:43	0.1	0.1	-
12:44	-	0.0	12:44	0.1	0.1	-
12:45	-	0.0	12:45	0.1	0.1	-
12:46	-	0.0	12:46	0.1	0.1	-
12:47	-	0.0	12:47	0.1	0.1	-
12:48	-	0.0	12:48	0.1	0.1	-
12:49	-	0.0	12:49	0.1	0.1	-
12:50	-	0.0	12:50	0.1	0.1	-
12:51	-	0.0	12:51	0.1	0.1	-
12:52	-	0.0	12:52	0.1	0.1	-
12:53	-	0.0	12:53	0.1	0.1	-
12:54	-	0.0	12:54	0.1	0.1	-
12:55	-	0.0	12:55	0.1	0.1	-
12:56	-	0.0	12:56	0.1	0.1	-
12:57	-	0.0	12:57	0.1	0.1	-
12:58	-	0.0	12:58	0.1	0.1	-
12:59	-	0.0	12:59	0.1	0.1	-
13:00	-	0.0	13:00	0.1	0.1	-
13:01	-	0.0	13:01	0.1	0.1	-
13:02	-	0.0	13:02	0.1	0.1	-
13:03	-	0.0	13:03	0.1	0.1	-
13:04	-	0.0	13:04	0.1	0.1	-
13:05	-	0.0	13:05	0.1	0.1	-
13:06	-	0.0	13:06	0.1	0.1	-
13:07	-	0.0	13:07	0.1	0.1	-
13:08	-	0.0	13:08	0.1	0.1	-
13:09	-	0.0	13:09	0.1	0.1	-
13:10	-	0.0	13:10	0.1	0.1	-
13:11	-	0.0	13:11	0.1	0.1	-
13:12	-	0.0	13:12	0.1	0.1	-
13:13	-	0.0	13:13	0.1	0.1	-
13:14	-	0.0	13:14	0.1	0.1	-
13:15	-	0.0	13:15	0.1	0.1	-
13:16	-	0.0	13:16	0.1	0.1	-
13:17	-	0.0	13:17	0.1	0.1	-
13:18	-	0.0	13:18	0.1	0.1	-
13:19	-	0.0	13:19	0.1	0.1	-
13:20	-	0.0	13:20	0.1	0.1	-
13:21	-	0.0	13:21	0.1	0.1	-
13:22	-	0.0	13:22	0.1	0.1	-
13:23	-	0.0	13:23	0.1	0.1	-
13:24	-	0.0	13:24	0.1	0.1	-
13:25	-	0.0	13:25	0.1	0.1	-
13:26	-	0.0	13:26	0.1	0.1	-
13:27	-	0.0	13:27	0.1	0.1	-
13:28	-	0.0	13:28	0.1	0.1	-
13:29	-	0.0	13:29	0.1	0.1	-
13:30	-	0.0	13:30	0.1	0.1	-
13:31	-	0.0	13:31	0.1	0.1	-
13:32	-	0.0	13:32	0.1	0.1	-
13:33	-	0.0	13:33	0.1	0.1	-
13:34	-	0.0	13:34	0.1	0.1	-

DAILY FIELD REPORT 15

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 30		32-50		50-70	X	70-85		>85	

NYSDEC BCP Site No.:	C231145	**Date:**	3/15/2024
Project Name:	687 Lenox Avenue (Phase 1)	**Time:**	6:30 am to 1:00 pm
Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) **Subcontractor:** N/A		**Langan Field Personnel:** Carli Piretra Fernando Viteri David Hand	

FIELD SUMMARY:

Langan completed the Remedial Investigation (RI) for the 687 Lenox Avenue – Phase 1 (the site) development site (No. C231145) as per New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) requirements. The objective of this RI was to further investigate and characterize the nature and extent of environmental impacts and generate analytical data and field observations to develop a site remedy. The RI was implemented in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated July 19, 2022.

Work Activities Performed:

- Langan conducted a synoptic gauging event at groundwater monitoring wells PH1_MW04, PH1_MW16, PH1_MW19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26. The table below summarizes data collected during the event:

Monitoring Well ID	PID reading beneath cap (parts per million [ppm])	Depth-to-water (below grade surface [bgs])	Impacts observed
PH1_MW04	0.4	8.55	None
PH1_MW16	0.0	8.43	None
PH1_MW19	0.4	11.93	None
PH1_MW21	0.0	12.45	None
PH1_MW22	0.4	10.15	None
PH1_MW25	0.0	6.10	None
PH1_MW26	0.0	11.25	None

- Langan surveyed the top of casing of groundwater monitoring wells PH1_MW04, PH1_MW16, PH1_MW19, PH1_MW21, PH1_MW22, PH1_MW25, and PH1_MW26.
- Langan collected a groundwater sample from monitoring well PH1_MW26 using a peristaltic pump fitted with dedicated high-density polyethylene (HDPE) tubing. Low-flow groundwater quality parameters were collected with a Horiba U-52 water quality meter during purging and prior to sample collection at monitoring well PH1_MW26.
    - Petroleum-like or chemical-like impacts were not observed.
- Purged groundwater was containerized on-site in 55-gallon drums pending future off-site disposal.

Samples Collected:

- Langan collected the following samples for laboratory analysis:
    - PH1_MW26_031524
    - PH1_GWFB04_031524 (analyzed for per- and poly-fluoroalkyl substances [PFAS] only)
    - PH1_GWTB04_031524 (analyzed for Target Compound List [TCL] volatile organic compounds (VOC) only)
- The groundwater sample will be analyzed for TCL volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) (including 1,4-dioxane), pesticides, herbicides, polychlorinated biphenyls (PCBs), total and dissolved target analyte list (TAL) metals (including hexavalent/trivalent chromium and total cyanide), and PFAS (40-compund list) by Alpha Analytical Laboratories Inc., an Environmental Laboratory Accredited Program (ELAP)-certified laboratory.

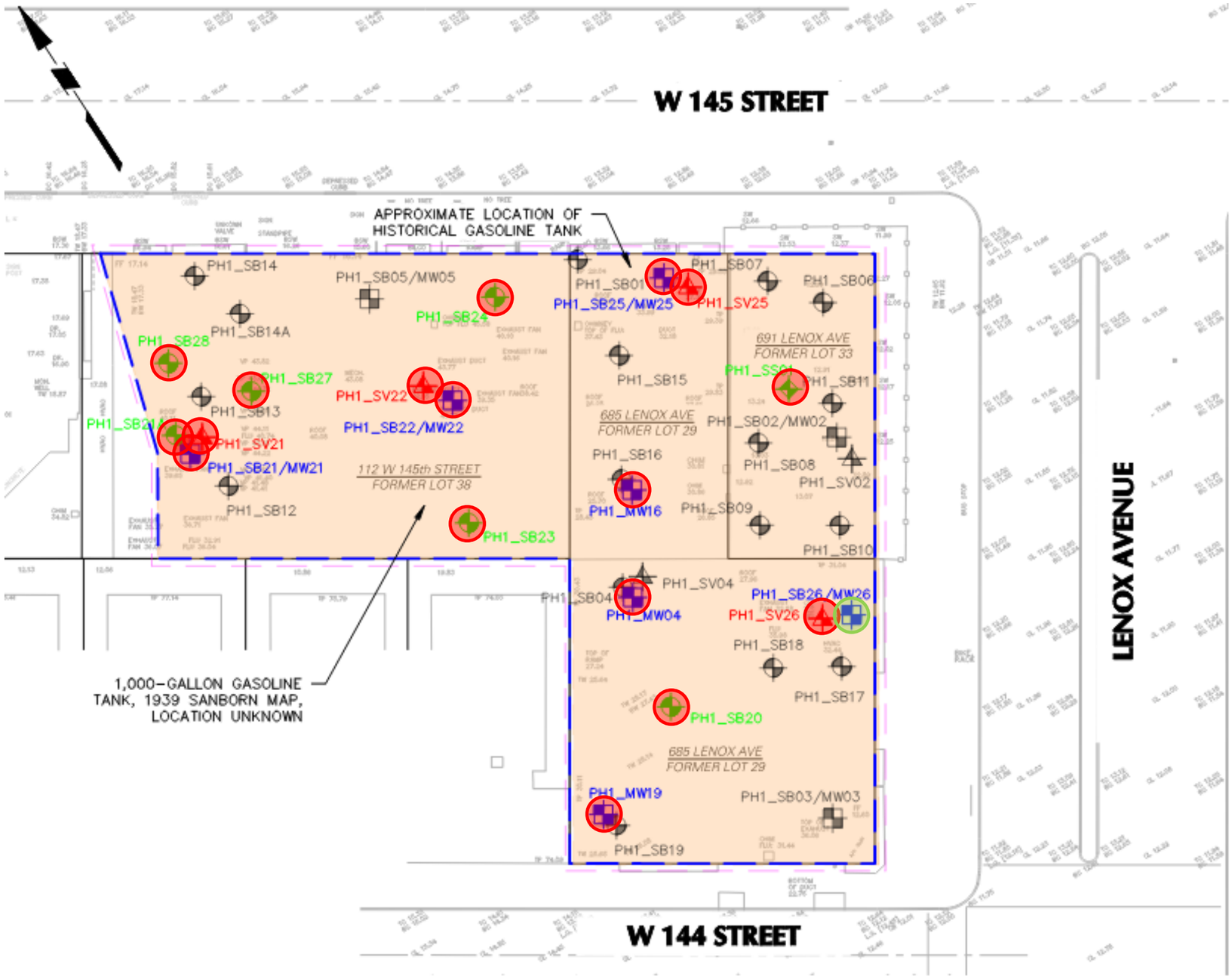
Air Monitoring:

- The Community Air Monitoring Program (CAMP) was not implemented due to an absence of soil handling or ground intrusive work. Langan visually monitored the site during work activities and did not observe dust migrating from the site.

Planned Activities:

- The scope of the NYSDEC-approved RIWP is completed; no future investigation activities are planned at this time.

SITE PLAN

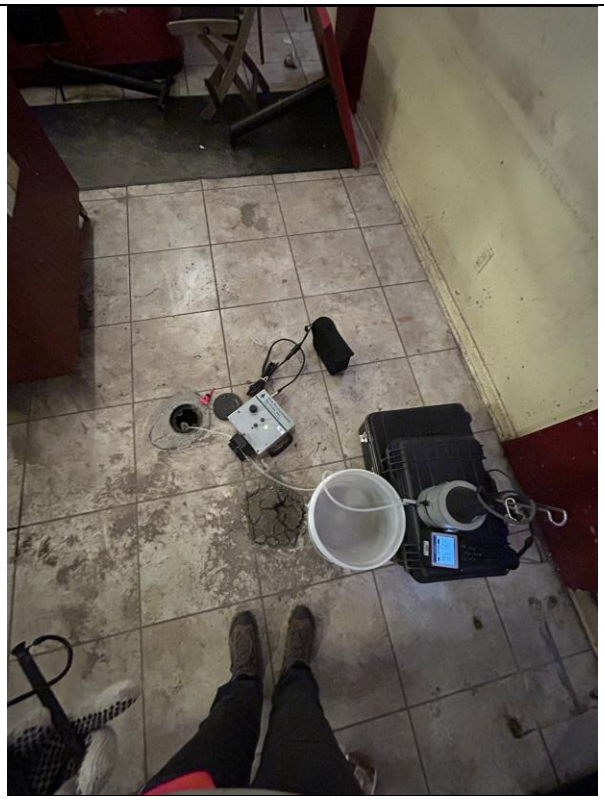


LEGEND

- **Approximate Site Boundary**
- **Approximate Former Tax lot Boundary**
- **Sample Location Completed Today**
- **Sample Location Completed Previously**

File Name: 2024-03-15 Daily Field Report_15

Photo Log

Photo 1: Langan collecting groundwater parameters at monitoring well PH1_MW26 (facing down)	

APPENDIX C

PHOTOGRAPH LOG



Photo 1, 02/06/2023: General view of northern part of site, facing southeast.



Photo 2, 02/06/2023: General view of vacant lot in southern part of site, facing east.



Photo 3, 02/07/2023: View of NOVA performing a ground-penetrating radar survey in the central part of the site, facing west.



Photo 4, 02/07/2023: View of NOVA performing a ground-penetrating radar survey in the central part of the site, facing southwest.

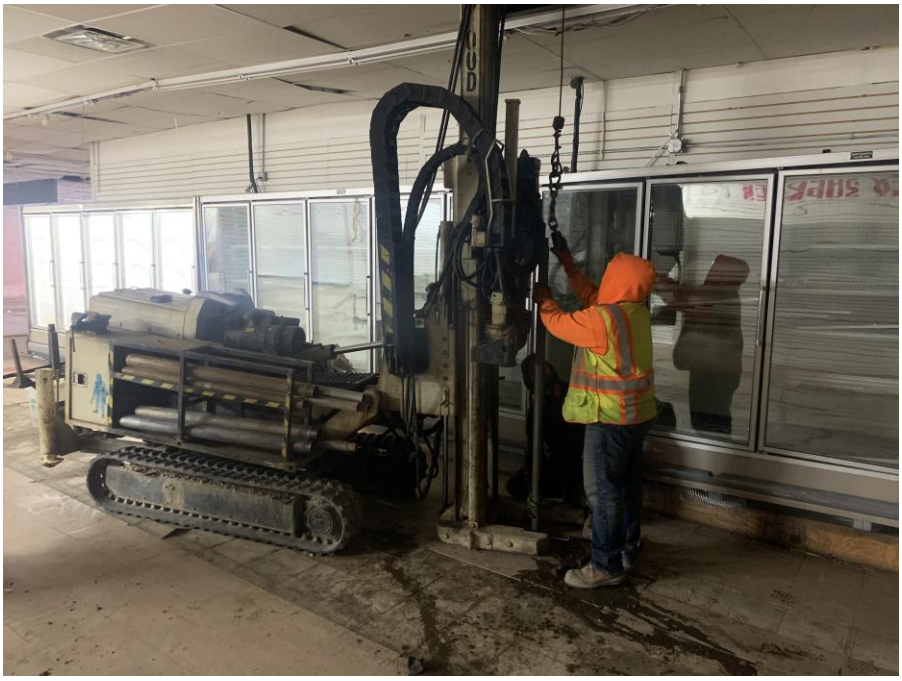


Photo 5, 03/15/2023: View of Lakewood advancing soil boring PH1_SB22, facing north.



Photo 6, 03/17/2023: View of Lakewood advancing soil boring PH1_SB20, facing northwest.



Photo 7, 03/21/2023: View of Lakewood installing groundwater monitoring well PH1_MW19, facing southeast.



Photo 8, 03/21/2023: View of Lakewood developing ground water monitoring well PH1_MW21, facing east.



Photo 9, 05/04/2023: View of groundwater sampling at monitoring well PH21_MW25, using a peristaltic pump, facing east.



Photo 10, 03/08/2024: View of soil vapor sampling at soil vapor point PH1_SV21, facing northeast.

APPENDIX D

COMMUNITY AIR MONITORING PROGRAM DATA

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/15/2023
Start: 11:35
End: 15:09
Observer: Jack Frey

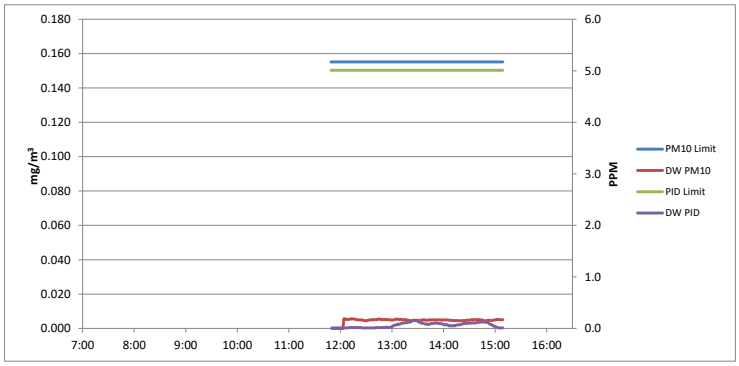
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0052	0.0045
Maximum 15min Average	0.0052	0.0056
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0050	0.0040
Maximum 1min Reading	0.0060	0.0100

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.052
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.1467
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.200

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						186
170635401						11:35
End Time:						15:09
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:35	0.005		11:35			
11:36	0.005		11:36			
11:37	0.006		11:37			
11:38	0.005		11:38			
11:39	0.005		11:39			
11:40	0.005		11:40			
11:41	0.006		11:41			
11:42	0.005		11:42			
11:43	0.005		11:43			
11:44	0.005		11:44			
11:45	0.005		11:45			
11:46	0.005		11:46			
11:47	0.006		11:47			
11:48	0.005		11:48			
11:49	0.005	0.005	11:49			
11:50		0.005	11:50	0.006	-	
11:51	-	0.005	11:51	0.005	-	
11:52	-	0.005	11:52	0.01	-	
11:53	-	0.005	11:53	0.005	-	
11:54	-	0.005	11:54	0.005	-	
11:55	-	0.005	11:55	0.005	-	
11:56	-	0.005	11:56	0.005	-	
11:57	-	0.005	11:57	0.004	-	
11:58	-	0.005	11:58	0.005	-	
11:59	-	0.005	11:59	0.005	-	
12:00	-	0.005	12:00	0.005	-	
12:01	-	0.005	12:01	0.006	-	
12:02	-	0.005	12:02	0.005	-	
12:03	-	0.005	12:03	0.007	-	
12:04	-	0.005	12:04	0.006	0.006	-
12:05	-	0.005	12:05	0.005	0.006	-
12:06	-	0.005	12:06	0.005	0.006	-
12:07	-	0.005	12:07	0.005	0.005	-
12:08	-	0.005	12:08	0.005	0.005	-
12:09	-	0.005	12:09	0.005	0.005	-
12:10	-	0.005	12:10	0.007	0.005	-
12:11	-	0.005	12:11	0.006	0.005	-
12:12	-	0.005	12:12	0.006	0.006	-
12:13	-	0.005	12:13	0.005	0.006	-
12:14	-	0.005	12:14	0.005	0.006	-
12:15	-	0.005	12:15	0.005	0.006	-
12:16	-	0.005	12:16	0.005	0.005	-
12:17	-	0.005	12:17	0.004	0.005	-
12:18	-	0.005	12:18	0.004	0.005	-
12:19	-	0.005	12:19	0.004	0.005	-
12:20	-	0.005	12:20	0.004	0.005	-
12:21	-	0.005	12:21	0.005	0.005	-
12:22	-	0.005	12:22	0.005	0.005	-
12:23	-	0.005	12:23	0.005	0.005	-
12:24	-	0.005	12:24	0.005	0.005	-
12:25	-	0.005	12:25	0.005	0.005	-
12:26	-	0.005	12:26	0.005	0.005	-
12:27	-	0.005	12:27	0.004	0.005	-
12:28	-	0.005	12:28	0.004	0.005	-
12:29	-	0.005	12:29	0.004	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
12:30	-	0.005	12:30	0.004	0.004	-
12:31	-	0.005	12:31	0.006	0.005	-
12:32	-	0.005	12:32	0.008	0.005	-
12:33	-	0.005	12:33	0.004	0.005	-
12:34	-	0.005	12:34	0.006	0.005	-
12:35	-	0.005	12:35	0.005	0.005	-
12:36	-	0.005	12:36	0.004	0.005	-
12:37	-	0.005	12:37	0.008	0.005	-
12:38	-	0.005	12:38	0.004	0.005	-
12:39	-	0.005	12:39	0.005	0.005	-
12:40	-	0.005	12:40	0.005	0.005	-
12:41	-	0.005	12:41	0.006	0.005	-
12:42	-	0.005	12:42	0.005	0.005	-
12:43	-	0.005	12:43	0.004	0.005	-
12:44	-	0.005	12:44	0.007	0.005	-
12:45	-	0.005	12:45	0.005	0.005	-
12:46	-	0.005	12:46	0.005	0.005	-
12:47	-	0.005	12:47	0.005	0.005	-
12:48	-	0.005	12:48	0.005	0.005	-
12:49	-	0.005	12:49	0.005	0.005	-
12:50	-	0.005	12:50	0.004	0.005	-
12:51	-	0.005	12:51	0.006	0.005	-
12:52	-	0.005	12:52	0.006	0.005	-
12:53	-	0.005	12:53	0.005	0.005	-
12:54	-	0.005	12:54	0.005	0.005	-
12:55	-	0.005	12:55	0.004	0.005	-
12:56	-	0.005	12:56	0.005	0.005	-
12:57	-	0.005	12:57	0.005	0.005	-
12:58	-	0.005	12:58	0.004	0.005	-
12:59	-	0.005	12:59	0.004	0.005	-
13:00	-	0.005	13:00	0.005	0.005	-
13:01	-	0.005	13:01	0.006	0.005	-
13:02	-	0.005	13:02	0.006	0.005	-
13:03	-	0.005	13:03	0.007	0.005	-
13:04	-	0.005	13:04	0.007	0.005	-
13:05	-	0.005	13:05	0.006	0.005	-
13:06	-	0.005	13:06	0.006	0.005	-
13:07	-	0.005	13:07	0.005	0.005	-
13:08	-	0.005	13:08	0.004	0.005	-
13:09	-	0.005	13:09	0.004	0.005	-
13:10	-	0.005	13:10	0.005	0.005	-
13:11	-	0.005	13:11	0.004	0.005	-
13:12	-	0.005	13:12	0.004	0.005	-
13:13	-	0.005	13:13	0.004	0.005	-
13:14	-	0.005	13:14	0.004	0.005	-
13:15	-	0.005	13:15	0.005	0.005	-
13:16	-	0.005	13:16	0.005	0.005	-
13:17	-	0.005	13:17	0.005	0.005	-
13:18	-	0.005	13:18	0.005	0.005	-
13:19	-	0.005	13:19	0.005	0.005	-
13:20	-	0.005	13:20	0.005	0.005	-
13:21	-	0.005	13:21	0.004	0.005	-
13:22	-	0.005	13:22	0.004	0.004	-
13:23	-	0.005	13:23	0.005	0.005	-
13:24	-	0.005	13:24	0.007	0.005	-
13:25	-	0.005	13:25	0.005	0.005	-
13:26	-	0.005	13:26	0.005	0.005	-
13:27	-	0.005	13:27	0.004	0.005	-
13:28	-	0.005	13:28	0.004	0.005	-
13:29	-	0.005	13:29	0.004	0.005	-
13:30	-	0.005	13:30	0.004	0.005	-
13:31	-	0.005	13:31	0.005	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
13:32	-	0.005	13:32	0.005	0.005	-
13:33	-	0.005	13:33	0.005	0.005	-
13:34	-	0.005	13:34	0.005	0.005	-
13:35	-	0.005	13:35	0.005	0.005	-
13:36	-	0.005	13:36	0.008	0.005	-
13:37	-	0.005	13:37	0.005	0.005	-
13:38	-	0.005	13:38	0.004	0.005	-
13:39	-	0.005	13:39	0.004	0.005	-
13:40	-	0.005	13:40	0.005	0.005	-
13:41	-	0.005	13:41	0.005	0.005	-
13:42	-	0.005	13:42	0.005	0.005	-
13:43	-	0.005	13:43	0.005	0.005	-
13:44	-	0.005	13:44	0.004	0.005	-
13:45	-	0.005	13:45	0.005	0.005	-
13:46	-	0.005	13:46	0.005	0.005	-
13:47	-	0.005	13:47	0.005	0.005	-
13:48	-	0.005	13:48	0.005	0.005	-
13:49	-	0.005	13:49	0.005	0.005	-
13:50	-	0.005	13:50	0.006	0.005	-
13:51	-	0.005	13:51	0.005	0.005	-
13:52	-	0.005	13:52	0.005	0.005	-
13:53	-	0.005	13:53	0.005	0.005	-
13:54	-	0.005	13:54	0.005	0.005	-
13:55	-	0.005	13:55	0.005	0.005	-
13:56	-	0.005	13:56	0.005	0.005	-
13:57	-	0.005	13:57	0.004	0.005	-
13:58	-	0.005	13:58	0.004	0.005	-
13:59	-	0.005	13:59	0.005	0.005	-
14:00	-	0.005	14:00	0.005	0.005	-
14:01	-	0.005	14:01	0.005	0.005	-
14:02	-	0.005	14:02	0.006	0.005	-
14:03	-	0.005	14:03	0.005	0.005	-
14:04	-	0.005	14:04	0.005	0.005	-
14:05	-	0.005	14:05	0.004	0.005	-
14:06	-	0.005	14:06	0.004	0.005	-
14:07	-	0.005	14:07	0.005	0.005	-
14:08	-	0.005	14:08	0.005	0.005	-
14:09	-	0.005	14:09	0.004	0.005	-
14:10	-	0.005	14:10	0.004	0.005	-
14:11	-	0.005	14:11	0.004	0.005	-
14:12	-	0.005	14:12	0.004	0.005	-
14:13	-	0.005	14:13	0.004	0.005	-
14:14	-	0.005	14:14	0.005	0.005	-
14:15	-	0.005	14:15	0.005	0.005	-
14:16	-	0.005	14:16	0.005	0.005	-
14:17	-	0.005	14:17	0.005	0.005	-
14:18	-	0.005	14:18	0.004	0.004	-
14:19	-	0.005	14:19	0.005	0.004	-
14:20	-	0.005	14:20	0.005	0.005	-
14:21	-	0.005	14:21	0.005	0.005	-
14:22	-	0.005	14:22	0.004	0.005	-
14:23	-	0.005	14:23	0.005	0.005	-
14:24	-	0.005	14:24	0.005	0.005	-
14:25	-	0.005	14:25	0.004	0.005	-
14:26	-	0.005	14:26	0.005	0.005	-
14:27	-	0.005	14:27	0.005	0.005	-
14:28	-	0.005	14:28	0.006	0.005	-
14:29	-	0.005	14:29	0.004	0.005	-
14:30	-	0.005	14:30	0.005	0.005	-
14:31	-	0.005	14:31	0.006	0.005	-
14:32	-	0.005	14:32	0.008	0.005	-
14:33	-	0.005	14:33	0.005	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
14:34	-	0.005	14:34	0.005	0.005	-
14:35	-	0.005	14:35	0.004	0.005	-
14:36	-	0.005	14:36	0.005	0.005	-
14:37	-	0.005	14:37	0.005	0.005	-
14:38	-	0.005	14:38	0.004	0.005	-
14:39	-	0.005	14:39	0.004	0.005	-
14:40	-	0.005	14:40	0.006	0.005	-
14:41	-	0.005	14:41	0.005	0.005	-
14:42	-	0.005	14:42	0.004	0.005	-
14:43	-	0.005	14:43	0.004	0.005	-
14:44	-	0.005	14:44	0.004	0.005	-
14:45	-	0.005	14:45	0.004	0.005	-
14:46	-	0.005	14:46	0.004	0.005	-
14:47	-	0.005	14:47	0.004	0.004	-
14:48	-	0.005	14:48	0.005	0.004	-
14:49	-	0.005	14:49	0.005	0.004	-
14:50	-	0.005	14:50	0.006	0.005	-
14:51	-	0.005	14:51	0.006	0.005	-
14:52	-	0.005	14:52	0.005	0.005	-
14:53	-	0.005	14:53	0.005	0.005	-
14:54	-	0.005	14:54	0.005	0.005	-
14:55	-	0.005	14:55	0.004	0.005	-
14:56	-	0.005	14:56	0.004	0.005	-
14:57	-	0.005	14:57	0.005	0.005	-
14:58	-	0.005	14:58	0.006	0.005	-
14:59	-	0.005	14:59	0.005	0.005	-
15:00	-	0.005	15:00	0.005	0.005	-
15:01	-	0.005	15:01	0.007	0.005	-
15:02	-	0.005	15:02	0.005	0.005	-
15:03	-	0.005	15:03	0.005	0.005	-
15:04	-	0.005	15:04	0.005	0.005	-
15:05	-	0.005	15:05	0.005	0.005	-
15:06	-	0.005	15:06	0.005	0.005	-
15:07	-	0.005	15:07	0.005	0.005	-
15:08	-	0.005	15:08	0.005	0.005	-
15:09	-	0.005	15:09	0.005	0.005	-

Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						200
170635401						11:35
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:35	0.0		11:35			
11:36	0.0		11:36			
11:37	0.0		11:37			
11:38	0.0		11:38			
11:39	0.0		11:39			
11:40	0.0		11:40			
11:41	0.0		11:41			
11:42	0.0		11:42			
11:43	0.0		11:43			
11:44	0.0		11:44			
11:45	0.0		11:45			
11:46	0.0		11:46			
11:47	0.0		11:47			
11:48	0.0		11:48			
11:49	0.0	0.0	11:49			
11:50	-	0.0	11:50	0.0	-	-
11:51	-	0.0	11:51	0.0	-	-
11:52	-	0.0	11:52	0.0	-	-
11:53	-	0.0	11:53	0.0	-	-
11:54	-	0.0	11:54	0.0	-	-
11:55	-	0.0	11:55	0.0	-	-
11:56	-	0.0	11:56	0.0	-	-
11:57	-	0.0	11:57	0.0	-	-
11:58	-	0.0	11:58	0.0	-	-
11:59	-	0.0	11:59	0.0	-	-
12:00	-	0.0	12:00	0.0	-	-
12:01	-	0.0	12:01	0.0	-	-
12:02	-	0.0	12:02	0.0	-	-
12:03	-	0.0	12:03	0.0	-	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.1	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-
12:19	-	0.0	12:19	0.0	0.0	-
12:20	-	0.0	12:20	0.0	0.0	-
12:21	-	0.0	12:21	0.0	0.0	-
12:22	-	0.0	12:22	0.0	0.0	-
12:23	-	0.0	12:23	0.0	0.0	-
12:24	-	0.0	12:24	0.0	0.0	-
12:25	-	0.0	12:25	0.0	0.0	-
12:26	-	0.0	12:26	0.0	0.0	-
12:27	-	0.0	12:27	0.0	0.0	-
12:28	-	0.0	12:28	0.0	0.0	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.1	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.1	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.1	0.0	-
12:59	-	0.0	12:59	0.1	0.0	-
13:00	-	0.0	13:00	0.1	0.0	-
13:01	-	0.0	13:01	0.1	0.0	-
13:02	-	0.0	13:02	0.2	0.0	-
13:03	-	0.0	13:03	0.1	0.1	-
13:04	-	0.0	13:04	0.0	0.1	-
13:05	-	0.0	13:05	0.1	0.1	-
13:06	-	0.0	13:06	0.1	0.1	-
13:07	-	0.0	13:07	0.1	0.1	-
13:08	-	0.0	13:08	0.0	0.1	-
13:09	-	0.0	13:09	0.1	0.1	-
13:10	-	0.0	13:10	0.1	0.1	-
13:11	-	0.0	13:11	0.1	0.1	-
13:12	-	0.0	13:12	0.1	0.1	-
13:13	-	0.0	13:13	0.1	0.1	-
13:14	-	0.0	13:14	0.1	0.1	-
13:15	-	0.0	13:15	0.2	0.1	-
13:16	-	0.0	13:16	0.2	0.1	-
13:17	-	0.0	13:17	0.1	0.1	-
13:18	-	0.0	13:18	0.1	0.1	-
13:19	-	0.0	13:19	0.2	0.1	-
13:20	-	0.0	13:20	0.1	0.1	-
13:21	-	0.0	13:21	0.1	0.1	-
13:22	-	0.0	13:22	0.2	0.1	-
13:23	-	0.0	13:23	0.2	0.1	-
13:24	-	0.0	13:24	0.2	0.1	-
13:25	-	0.0	13:25	0.1	0.1	-
13:26	-	0.0	13:26	0.1	0.1	-
13:27	-	0.0	13:27	0.1	0.1	-
13:28	-	0.0	13:28	0.2	0.1	-
13:29	-	0.0	13:29	0.0	0.1	-
13:30	-	0.0	13:30	0.0	0.1	-
13:31	-	0.0	13:31	0.0	0.1	-
13:32	-	0.0	13:32	0.1	0.1	-
13:33	-	0.0	13:33	0.0	0.1	-
13:34	-	0.0	13:34	0.0	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:35	-	0.0	13:35	0.1	0.1	-
13:36	-	0.0	13:36	0.1	0.1	-
13:37	-	0.0	13:37	0.1	0.1	-
13:38	-	0.0	13:38	0.1	0.1	-
13:39	-	0.0	13:39	0.1	0.1	-
13:40	-	0.0	13:40	0.1	0.1	-
13:41	-	0.0	13:41	0.1	0.1	-
13:42	-	0.0	13:42	0.1	0.1	-
13:43	-	0.0	13:43	0.1	0.1	-
13:44	-	0.0	13:44	0.1	0.1	-
13:45	-	0.0	13:45	0.1	0.1	-
13:46	-	0.0	13:46	0.1	0.1	-
13:47	-	0.0	13:47	0.1	0.1	-
13:48	-	0.0	13:48	0.0	0.1	-
13:49	-	0.0	13:49	0.1	0.1	-
13:50	-	0.0	13:50	0.1	0.1	-
13:51	-	0.0	13:51	0.1	0.1	-
13:52	-	0.0	13:52	0.1	0.1	-
13:53	-	0.0	13:53	0.0	0.1	-
13:54	-	0.0	13:54	0.1	0.1	-
13:55	-	0.0	13:55	0.1	0.1	-
13:56	-	0.0	13:56	0.1	0.1	-
13:57	-	0.0	13:57	0.0	0.1	-
13:58	-	0.0	13:58	0.1	0.1	-
13:59	-	0.0	13:59	0.0	0.1	-
14:00	-	0.0	14:00	0.0	0.1	-
14:01	-	0.0	14:01	0.0	0.1	-
14:02	-	0.0	14:02	0.1	0.1	-
14:03	-	0.0	14:03	0.1	0.1	-
14:04	-	0.0	14:04	0.0	0.1	-
14:05	-	0.0	14:05	0.0	0.1	-
14:06	-	0.0	14:06	0.0	0.0	-
14:07	-	0.0	14:07	0.0	0.0	-
14:08	-	0.0	14:08	0.1	0.0	-
14:09	-	0.0	14:09	0.0	0.0	-
14:10	-	0.0	14:10	0.1	0.0	-
14:11	-	0.0	14:11	0.1	0.0	-
14:12	-	0.0	14:12	0.1	0.0	-
14:13	-	0.0	14:13	0.0	0.0	-
14:14	-	0.0	14:14	0.1	0.0	-
14:15	-	0.0	14:15	0.1	0.1	-
14:16	-	0.0	14:16	0.1	0.1	-
14:17	-	0.0	14:17	0.1	0.1	-
14:18	-	0.0	14:18	0.1	0.1	-
14:19	-	0.0	14:19	0.0	0.1	-
14:20	-	0.0	14:20	0.1	0.1	-
14:21	-	0.0	14:21	0.1	0.1	-
14:22	-	0.0	14:22	0.1	0.1	-
14:23	-	0.0	14:23	0.1	0.1	-
14:24	-	0.0	14:24	0.1	0.1	-
14:25	-	0.0	14:25	0.1	0.1	-
14:26	-	0.0	14:26	0.1	0.1	-
14:27	-	0.0	14:27	0.1	0.1	-
14:28	-	0.0	14:28	0.1	0.1	-
14:29	-	0.0	14:29	0.1	0.1	-
14:30	-	0.0	14:30	0.1	0.1	-
14:31	-	0.0	14:31	0.1	0.1	-
14:32	-	0.0	14:32	0.1	0.1	-
14:33	-	0.0	14:33	0.1	0.1	-
14:34	-	0.0	14:34	0.1	0.1	-
14:35	-	0.0	14:35	0.1	0.1	-
14:36	-	0.0	14:36	0.0	0.1	-
14:37	-	0.0	14:37	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:38	-	0.0	14:38	0.2	0.1	-
14:39	-	0.0	14:39	0.2	0.1	-
14:40	-	0.0	14:40	0.1	0.1	-
14:41	-	0.0	14:41	0.1	0.1	-
14:42	-	0.0	14:42	0.1	0.1	-
14:43	-	0.0	14:43	0.2	0.1	-
14:44	-	0.0	14:44	0.1	0.1	-
14:45	-	0.0	14:45	0.1	0.1	-
14:46	-	0.0	14:46	0.1	0.1	-
14:47	-	0.0	14:47	0.1	0.1	-
14:48	-	0.0	14:48	0.1	0.1	-
14:49	-	0.0	14:49	0.1	0.1	-
14:50	-	0.0	14:50	0.0	0.1	-
14:51	-	0.0	14:51	0.0	0.1	-
14:52	-	0.0	14:52	0.0	0.1	-
14:53	-	0.0	14:53	0.0	0.1	-
14:54	-	0.0	14:54	0.0	0.1	-
14:55	-	0.0	14:55	0.0	0.1	-
14:56	-	0.0	14:56	0.0	0.1	-
14:57	-	0.0	14:57	0.0	0.1	-
14:58	-	0.0	14:58	0.0	0.0	-
14:59	-	0.0	14:59	0.0	0.0	-
15:00	-	0.0	15:00	0.0	0.0	-
15:01	-	0.0	15:01	0.0	0.0	-
15:02	-	0.0	15:02	0.0	0.0	-
15:03	-	0.0	15:03	0.0	0.0	-
15:04	-	0.0	15:04	0.0	0.0	-
15:05	-	0.0	15:05	0.0	0.0	-
15:06	-	0.0	15:06	0.0	0.0	-
15:07	-	0.0	15:07	0.0	0.0	-
15:08	-	0.0	15:08	0.0	0.0	-
15:09	-	0.0	15:09	0.0	0.0	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/16/2023
Start: 12:00
End: 14:04
Observer: Jack Frey

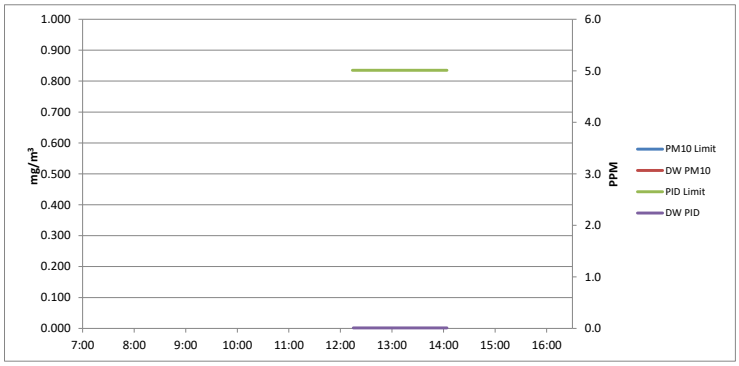
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0000	0.0000
Maximum 1min Reading	0.0000	0.0000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.000
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						110
170635401						12:00
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:00	0.0		12:00			
12:01	0.0		12:01			
12:02	0.0		12:02			
12:03	0.0		12:03			
12:04	0.0		12:04			
12:05	0.0		12:05			
12:06	0.0		12:06			
12:07	0.0		12:07			
12:08	0.0		12:08			
12:09	0.0		12:09			
12:10	0.0		12:10			
12:11	0.0		12:11			
12:12	0.0		12:12			
12:13	0.0		12:13			
12:14	0.0	0.0	12:14			
12:15	-	0.0	12:15	0.0	-	-
12:16	-	0.0	12:16	0.0	-	-
12:17	-	0.0	12:17	0.0	-	-
12:18	-	0.0	12:18	0.0	-	-
12:19	-	0.0	12:19	0.0	-	-
12:20	-	0.0	12:20	0.0	-	-
12:21	-	0.0	12:21	0.0	-	-
12:22	-	0.0	12:22	0.0	-	-
12:23	-	0.0	12:23	0.0	-	-
12:24	-	0.0	12:24	0.0	-	-
12:25	-	0.0	12:25	0.0	-	-
12:26	-	0.0	12:26	0.0	-	-
12:27	-	0.0	12:27	0.0	-	-
12:28	-	0.0	12:28	0.0	-	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.0	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.0	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.0	0.0	-
12:59	-	0.0	12:59	0.0	0.0	-
13:00	-	0.0	13:00	0.0	0.0	-
13:01	-	0.0	13:01	0.0	0.0	-
13:02	-	0.0	13:02	0.0	0.0	-
13:03	-	0.0	13:03	0.0	0.0	-
13:04	-	0.0	13:04	0.0	0.0	-
13:05	-	0.0	13:05	0.0	0.0	-
13:06	-	0.0	13:06	0.0	0.0	-
13:07	-	0.0	13:07	0.0	0.0	-
13:08	-	0.0	13:08	0.0	0.0	-
13:09	-	0.0	13:09	0.0	0.0	-
13:10	-	0.0	13:10	0.0	0.0	-
13:11	-	0.0	13:11	0.0	0.0	-
13:12	-	0.0	13:12	0.0	0.0	-
13:13	-	0.0	13:13	0.0	0.0	-
13:14	-	0.0	13:14	0.0	0.0	-
13:15	-	0.0	13:15	0.0	0.0	-
13:16	-	0.0	13:16	0.0	0.0	-
13:17	-	0.0	13:17	0.0	0.0	-
13:18	-	0.0	13:18	0.0	0.0	-
13:19	-	0.0	13:19	0.0	0.0	-
13:20	-	0.0	13:20	0.0	0.0	-
13:21	-	0.0	13:21	0.0	0.0	-
13:22	-	0.0	13:22	0.0	0.0	-
13:23	-	0.0	13:23	0.0	0.0	-
13:24	-	0.0	13:24	0.0	0.0	-
13:25	-	0.0	13:25	0.0	0.0	-
13:26	-	0.0	13:26	0.0	0.0	-
13:27	-	0.0	13:27	0.0	0.0	-
13:28	-	0.0	13:28	0.0	0.0	-
13:29	-	0.0	13:29	0.0	0.0	-
13:30	-	0.0	13:30	0.0	0.0	-
13:31	-	0.0	13:31	0.0	0.0	-
13:32	-	0.0	13:32	0.0	0.0	-
13:33	-	0.0	13:33	0.0	0.0	-
13:34	-	0.0	13:34	0.0	0.0	-
13:35	-	0.0	13:35	0.0	0.0	-
13:36	-	0.0	13:36	0.0	0.0	-
13:37	-	0.0	13:37	0.0	0.0	-
13:38	-	0.0	13:38	0.0	0.0	-
13:39	-	0.0	13:39	0.0	0.0	-
13:40	-	0.0	13:40	0.0	0.0	-
13:41	-	0.0	13:41	0.0	0.0	-
13:42	-	0.0	13:42	0.0	0.0	-
13:43	-	0.0	13:43	0.0	0.0	-
13:44	-	0.0	13:44	0.0	0.0	-
13:45	-	0.0	13:45	0.0	0.0	-
13:46	-	0.0	13:46	0.0	0.0	-
13:47	-	0.0	13:47	0.0	0.0	-
13:48	-	0.0	13:48	0.0	0.0	-
13:49	-	0.0	13:49	0.0	0.0	-
13:50	-	0.0	13:50	0.0	0.0	-
13:51	-	0.0	13:51	0.0	0.0	-
13:52	-	0.0	13:52	0.0	0.0	-
13:53	-	0.0	13:53	0.0	0.0	-
13:54	-	0.0	13:54	0.0	0.0	-
13:55	-	0.0	13:55	0.0	0.0	-
13:56	-	0.0	13:56	0.0	0.0	-
13:57	-	0.0	13:57	0.0	0.0	-
13:58	-	0.0	13:58	0.0	0.0	-
13:59	-	0.0	13:59	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:00	-	0.0	14:00	0.0	0.0	-
14:01	-	0.0	14:01	0.0	0.0	-
14:02	-	0.0	14:02	0.0	0.0	-
14:03	-	0.0	14:03	0.0	0.0	-
14:04	-	0.0	14:04	0.0	0.0	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/17/2023
Start: 7:37 AM
End: 3:17 PM
Observer: Jack Frey

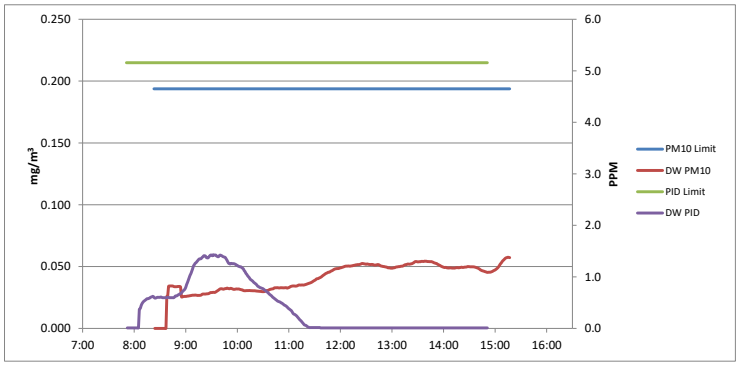
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0438	0.0255
Maximum 15min Average	0.0438	0.0575
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0340	0.0230
Maximum 1min Reading	0.0410	0.1460

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.147	0.385
Minimum 15min Average	0.1467	0.0000
Maximum 15min Average	0.1467	1.4200
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.147	1.600

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Wednesday, March 8, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						400
170635401						8:09
End Time:						15:17
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
8:09	0.058		8:09			
8:10	0.041		8:10			
8:11	0.041		8:11			
8:12	0.044		8:12			
8:13	0.041		8:13			
8:14	0.040		8:14			
8:15	0.05		8:15			
8:16	0.048		8:16			
8:17	0.041		8:17			
8:18	0.041		8:18			
8:19	0.04		8:19			
8:20	0.04		8:20			
8:21	0.034		8:21			
8:22	0.036		8:22			
8:23	0.034	0.044	8:23			
8:24		0.044	8:24	0.03	-	
8:25	-	0.044	8:25	0.025	-	
8:26	-	0.044	8:26	0.024	-	
8:27	-	0.044	8:27	0.024	-	
8:28	-	0.044	8:28	0.026	-	
8:29	-	0.044	8:29	0.025	-	
8:30	-	0.044	8:30	0.029	-	
8:31	-	0.044	8:31	0.03	-	
8:32	-	0.044	8:32	0.027	-	
8:33	-	0.044	8:33	0.025	-	
8:34	-	0.044	8:34	0.025	-	
8:35	-	0.044	8:35	0.024	-	
8:36	-	0.044	8:36	0.023	-	
8:37	-	0.044	8:37	0.025	-	
8:38	-	0.044	8:38	0.025	0.026	-
8:39	-	0.044	8:39	0.033	0.026	-
8:40	-	0.044	8:40	0.146	0.034	-
8:41	-	0.044	8:41	0.027	0.034	-
8:42	-	0.044	8:42	0.025	0.034	-
8:43	-	0.044	8:43	0.026	0.034	-
8:44	-	0.044	8:44	0.025	0.034	-
8:45	-	0.044	8:45	0.028	0.034	-
8:46	-	0.044	8:46	0.025	0.034	-
8:47	-	0.044	8:47	0.024	0.034	-
8:48	-	0.044	8:48	0.025	0.034	-
8:49	-	0.044	8:49	0.025	0.034	-
8:50	-	0.044	8:50	0.025	0.034	-
8:51	-	0.044	8:51	0.025	0.034	-
8:52	-	0.044	8:52	0.025	0.034	-
8:53	-	0.044	8:53	0.025	0.034	-
8:54	-	0.044	8:54	0.026	0.033	-
8:55	-	0.044	8:55	0.026	0.025	-
8:56	-	0.044	8:56	0.027	0.025	-
8:57	-	0.044	8:57	0.029	0.026	-
8:58	-	0.044	8:58	0.027	0.026	-
8:59	-	0.044	8:59	0.027	0.026	-
9:00	-	0.044	9:00	0.027	0.026	-
9:01	-	0.044	9:01	0.027	0.026	-
9:02	-	0.044	9:02	0.026	0.026	-
9:03	-	0.044	9:03	0.026	0.026	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
9:04	-	0.044	9:04	0.027	0.026	-
9:05	-	0.044	9:05	0.027	0.026	-
9:06	-	0.044	9:06	0.027	0.027	-
9:07	-	0.044	9:07	0.027	0.027	-
9:08	-	0.044	9:08	0.027	0.027	-
9:09	-	0.044	9:09	0.026	0.027	-
9:10	-	0.044	9:10	0.026	0.027	-
9:11	-	0.044	9:11	0.029	0.027	-
9:12	-	0.044	9:12	0.027	0.027	-
9:13	-	0.044	9:13	0.026	0.027	-
9:14	-	0.044	9:14	0.025	0.027	-
9:15	-	0.044	9:15	0.028	0.027	-
9:16	-	0.044	9:16	0.027	0.027	-
9:17	-	0.044	9:17	0.027	0.027	-
9:18	-	0.044	9:18	0.029	0.027	-
9:19	-	0.044	9:19	0.035	0.028	-
9:20	-	0.044	9:20	0.031	0.028	-
9:21	-	0.044	9:21	0.027	0.028	-
9:22	-	0.044	9:22	0.027	0.028	-
9:23	-	0.044	9:23	0.027	0.028	-
9:24	-	0.044	9:24	0.028	0.028	-
9:25	-	0.044	9:25	0.027	0.028	-
9:26	-	0.044	9:26	0.03	0.028	-
9:27	-	0.044	9:27	0.03	0.028	-
9:28	-	0.044	9:28	0.032	0.029	-
9:29	-	0.044	9:29	0.03	0.029	-
9:30	-	0.044	9:30	0.028	0.029	-
9:31	-	0.044	9:31	0.028	0.029	-
9:32	-	0.044	9:32	0.029	0.029	-
9:33	-	0.044	9:33	0.028	0.029	-
9:34	-	0.044	9:34	0.035	0.029	-
9:35	-	0.044	9:35	0.037	0.030	-
9:36	-	0.044	9:36	0.034	0.030	-
9:37	-	0.044	9:37	0.034	0.030	-
9:38	-	0.044	9:38	0.034	0.031	-
9:39	-	0.044	9:39	0.036	0.031	-
9:40	-	0.044	9:40	0.034	0.032	-
9:41	-	0.044	9:41	0.032	0.032	-
9:42	-	0.044	9:42	0.03	0.032	-
9:43	-	0.044	9:43	0.029	0.032	-
9:44	-	0.044	9:44	0.028	0.032	-
9:45	-	0.044	9:45	0.032	0.032	-
9:46	-	0.044	9:46	0.031	0.032	-
9:47	-	0.044	9:47	0.029	0.032	-
9:48	-	0.044	9:48	0.034	0.033	-
9:49	-	0.044	9:49	0.032	0.032	-
9:50	-	0.044	9:50	0.034	0.032	-
9:51	-	0.044	9:51	0.032	0.032	-
9:52	-	0.044	9:52	0.039	0.032	-
9:53	-	0.044	9:53	0.033	0.032	-
9:54	-	0.044	9:54	0.032	0.032	-
9:55	-	0.044	9:55	0.03	0.032	-
9:56	-	0.044	9:56	0.029	0.032	-
9:57	-	0.044	9:57	0.031	0.032	-
9:58	-	0.044	9:58	0.031	0.032	-
9:59	-	0.044	9:59	0.03	0.032	-
10:00	-	0.044	10:00	0.031	0.032	-
10:01	-	0.044	10:01	0.031	0.032	-
10:02	-	0.044	10:02	0.029	0.032	-
10:03	-	0.044	10:03	0.03	0.032	-
10:04	-	0.044	10:04	0.03	0.031	-
10:05	-	0.044	10:05	0.03	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:06	-	0.044	10:06	0.031	0.031	-
10:07	-	0.044	10:07	0.032	0.031	-
10:08	-	0.044	10:08	0.031	0.031	-
10:09	-	0.044	10:09	0.031	0.030	-
10:10	-	0.044	10:10	0.031	0.031	-
10:11	-	0.044	10:11	0.03	0.031	-
10:12	-	0.044	10:12	0.031	0.031	-
10:13	-	0.044	10:13	0.031	0.031	-
10:14	-	0.044	10:14	0.031	0.031	-
10:15	-	0.044	10:15	0.03	0.031	-
10:16	-	0.044	10:16	0.03	0.031	-
10:17	-	0.044	10:17	0.029	0.031	-
10:18	-	0.044	10:18	0.029	0.030	-
10:19	-	0.044	10:19	0.03	0.030	-
10:20	-	0.044	10:20	0.03	0.030	-
10:21	-	0.044	10:21	0.03	0.030	-
10:22	-	0.044	10:22	0.03	0.030	-
10:23	-	0.044	10:23	0.03	0.030	-
10:24	-	0.044	10:24	0.03	0.030	-
10:25	-	0.044	10:25	0.03	0.030	-
10:26	-	0.044	10:26	0.029	0.030	-
10:27	-	0.044	10:27	0.03	0.030	-
10:28	-	0.044	10:28	0.03	0.030	-
10:29	-	0.044	10:29	0.029	0.030	-
10:30	-	0.044	10:30	0.03	0.030	-
10:31	-	0.044	10:31	0.03	0.030	-
10:32	-	0.044	10:32	0.032	0.030	-
10:33	-	0.044	10:33	0.035	0.030	-
10:34	-	0.044	10:34	0.034	0.031	-
10:35	-	0.044	10:35	0.031	0.031	-
10:36	-	0.044	10:36	0.032	0.031	-
10:37	-	0.044	10:37	0.036	0.031	-
10:38	-	0.044	10:38	0.035	0.032	-
10:39	-	0.044	10:39	0.033	0.032	-
10:40	-	0.044	10:40	0.032	0.032	-
10:41	-	0.044	10:41	0.031	0.032	-
10:42	-	0.044	10:42	0.032	0.032	-
10:43	-	0.044	10:43	0.039	0.033	-
10:44	-	0.044	10:44	0.031	0.033	-
10:45	-	0.044	10:45	0.03	0.033	-
10:46	-	0.044	10:46	0.031	0.033	-
10:47	-	0.044	10:47	0.032	0.033	-
10:48	-	0.044	10:48	0.033	0.033	-
10:49	-	0.044	10:49	0.033	0.033	-
10:50	-	0.044	10:50	0.033	0.033	-
10:51	-	0.044	10:51	0.033	0.033	-
10:52	-	0.044	10:52	0.035	0.033	-
10:53	-	0.044	10:53	0.035	0.033	-
10:54	-	0.044	10:54	0.032	0.033	-
10:55	-	0.044	10:55	0.033	0.033	-
10:56	-	0.044	10:56	0.032	0.033	-
10:57	-	0.044	10:57	0.032	0.033	-
10:58	-	0.044	10:58	0.034	0.033	-
10:59	-	0.044	10:59	0.034	0.033	-
11:00	-	0.044	11:00	0.034	0.033	-
11:01	-	0.044	11:01	0.036	0.033	-
11:02	-	0.044	11:02	0.039	0.034	-
11:03	-	0.044	11:03	0.036	0.034	-
11:04	-	0.044	11:04	0.036	0.034	-
11:05	-	0.044	11:05	0.034	0.034	-
11:06	-	0.044	11:06	0.033	0.034	-
11:07	-	0.044	11:07	0.034	0.034	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:08	-	0.044	11:08	0.034	0.034	-
11:09	-	0.044	11:09	0.034	0.034	-
11:10	-	0.044	11:10	0.036	0.035	-
11:11	-	0.044	11:11	0.038	0.035	-
11:12	-	0.044	11:12	0.035	0.035	-
11:13	-	0.044	11:13	0.033	0.035	-
11:14	-	0.044	11:14	0.034	0.035	-
11:15	-	0.044	11:15	0.035	0.035	-
11:16	-	0.044	11:16	0.036	0.035	-
11:17	-	0.044	11:17	0.038	0.035	-
11:18	-	0.044	11:18	0.038	0.035	-
11:19	-	0.044	11:19	0.039	0.035	-
11:20	-	0.044	11:20	0.037	0.036	-
11:21	-	0.044	11:21	0.037	0.036	-
11:22	-	0.044	11:22	0.038	0.036	-
11:23	-	0.044	11:23	0.038	0.036	-
11:24	-	0.044	11:24	0.037	0.037	-
11:25	-	0.044	11:25	0.04	0.037	-
11:26	-	0.044	11:26	0.042	0.037	-
11:27	-	0.044	11:27	0.041	0.038	-
11:28	-	0.044	11:28	0.04	0.038	-
11:29	-	0.044	11:29	0.041	0.038	-
11:30	-	0.044	11:30	0.041	0.039	-
11:31	-	0.044	11:31	0.042	0.039	-
11:32	-	0.044	11:32	0.048	0.040	-
11:33	-	0.044	11:33	0.042	0.040	-
11:34	-	0.044	11:34	0.04	0.040	-
11:35	-	0.044	11:35	0.043	0.041	-
11:36	-	0.044	11:36	0.042	0.041	-
11:37	-	0.044	11:37	0.043	0.041	-
11:38	-	0.044	11:38	0.045	0.042	-
11:39	-	0.044	11:39	0.046	0.042	-
11:40	-	0.044	11:40	0.048	0.043	-
11:41	-	0.044	11:41	0.049	0.043	-
11:42	-	0.044	11:42	0.049	0.044	-
11:43	-	0.044	11:43	0.047	0.044	-
11:44	-	0.044	11:44	0.046	0.045	-
11:45	-	0.044	11:45	0.046	0.045	-
11:46	-	0.044	11:46	0.048	0.045	-
11:47	-	0.044	11:47	0.048	0.045	-
11:48	-	0.044	11:48	0.048	0.046	-
11:49	-	0.044	11:49	0.047	0.046	-
11:50	-	0.044	11:50	0.047	0.047	-
11:51	-	0.044	11:51	0.048	0.047	-
11:52	-	0.044	11:52	0.05	0.047	-
11:53	-	0.044	11:53	0.051	0.048	-
11:54	-	0.044	11:54	0.05	0.048	-
11:55	-	0.044	11:55	0.05	0.048	-
11:56	-	0.044	11:56	0.051	0.048	-
11:57	-	0.044	11:57	0.049	0.048	-
11:58	-	0.044	11:58	0.048	0.048	-
11:59	-	0.044	11:59	0.05	0.049	-
12:00	-	0.044	12:00	0.05	0.049	-
12:01	-	0.044	12:01	0.05	0.049	-
12:02	-	0.044	12:02	0.052	0.049	-
12:03	-	0.044	12:03	0.051	0.050	-
12:04	-	0.044	12:04	0.051	0.050	-
12:05	-	0.044	12:05	0.051	0.050	-
12:06	-	0.044	12:06	0.051	0.050	-
12:07	-	0.044	12:07	0.051	0.050	-
12:08	-	0.044	12:08	0.051	0.050	-
12:09	-	0.044	12:09	0.051	0.050	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
12:10	-	0.044	12:10	0.05	0.050	-
12:11	-	0.044	12:11	0.049	0.050	-
12:12	-	0.044	12:12	0.051	0.050	-
12:13	-	0.044	12:13	0.05	0.051	-
12:14	-	0.044	12:14	0.051	0.051	-
12:15	-	0.044	12:15	0.054	0.051	-
12:16	-	0.044	12:16	0.051	0.051	-
12:17	-	0.044	12:17	0.055	0.051	-
12:18	-	0.044	12:18	0.054	0.051	-
12:19	-	0.044	12:19	0.052	0.051	-
12:20	-	0.044	12:20	0.053	0.052	-
12:21	-	0.044	12:21	0.051	0.052	-
12:22	-	0.044	12:22	0.052	0.052	-
12:23	-	0.044	12:23	0.054	0.052	-
12:24	-	0.044	12:24	0.055	0.052	-
12:25	-	0.044	12:25	0.055	0.052	-
12:26	-	0.044	12:26	0.049	0.052	-
12:27	-	0.044	12:27	0.049	0.052	-
12:28	-	0.044	12:28	0.048	0.052	-
12:29	-	0.044	12:29	0.049	0.052	-
12:30	-	0.044	12:30	0.051	0.052	-
12:31	-	0.044	12:31	0.055	0.052	-
12:32	-	0.044	12:32	0.053	0.052	-
12:33	-	0.044	12:33	0.051	0.052	-
12:34	-	0.044	12:34	0.051	0.052	-
12:35	-	0.044	12:35	0.052	0.052	-
12:36	-	0.044	12:36	0.052	0.052	-
12:37	-	0.044	12:37	0.052	0.052	-
12:38	-	0.044	12:38	0.052	0.052	-
12:39	-	0.044	12:39	0.051	0.051	-
12:40	-	0.044	12:40	0.053	0.051	-
12:41	-	0.044	12:41	0.05	0.051	-
12:42	-	0.044	12:42	0.05	0.051	-
12:43	-	0.044	12:43	0.052	0.052	-
12:44	-	0.044	12:44	0.049	0.052	-
12:45	-	0.044	12:45	0.048	0.051	-
12:46	-	0.044	12:46	0.048	0.051	-
12:47	-	0.044	12:47	0.047	0.051	-
12:48	-	0.044	12:48	0.049	0.050	-
12:49	-	0.044	12:49	0.048	0.050	-
12:50	-	0.044	12:50	0.05	0.050	-
12:51	-	0.044	12:51	0.051	0.050	-
12:52	-	0.044	12:52	0.049	0.050	-
12:53	-	0.044	12:53	0.05	0.050	-
12:54	-	0.044	12:54	0.049	0.050	-
12:55	-	0.044	12:55	0.047	0.049	-
12:56	-	0.044	12:56	0.048	0.049	-
12:57	-	0.044	12:57	0.05	0.049	-
12:58	-	0.044	12:58	0.049	0.049	-
12:59	-	0.044	12:59	0.048	0.049	-
13:00	-	0.044	13:00	0.048	0.049	-
13:01	-	0.044	13:01	0.049	0.049	-
13:02	-	0.044	13:02	0.051	0.049	-
13:03	-	0.044	13:03	0.049	0.049	-
13:04	-	0.044	13:04	0.053	0.049	-
13:05	-	0.044	13:05	0.054	0.050	-
13:06	-	0.044	13:06	0.052	0.050	-
13:07	-	0.044	13:07	0.051	0.050	-
13:08	-	0.044	13:08	0.052	0.050	-
13:09	-	0.044	13:09	0.049	0.050	-
13:10	-	0.044	13:10	0.05	0.050	-
13:11	-	0.044	13:11	0.05	0.050	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
13:12	-	0.044	13:12	0.05	0.050	-
13:13	-	0.044	13:13	0.053	0.051	-
13:14	-	0.044	13:14	0.054	0.051	-
13:15	-	0.044	13:15	0.054	0.051	-
13:16	-	0.044	13:16	0.052	0.052	-
13:17	-	0.044	13:17	0.052	0.052	-
13:18	-	0.044	13:18	0.054	0.052	-
13:19	-	0.044	13:19	0.054	0.052	-
13:20	-	0.044	13:20	0.052	0.052	-
13:21	-	0.044	13:21	0.053	0.052	-
13:22	-	0.044	13:22	0.054	0.052	-
13:23	-	0.044	13:23	0.053	0.052	-
13:24	-	0.044	13:24	0.055	0.053	-
13:25	-	0.044	13:25	0.055	0.053	-
13:26	-	0.044	13:26	0.058	0.054	-
13:27	-	0.044	13:27	0.057	0.054	-
13:28	-	0.044	13:28	0.054	0.054	-
13:29	-	0.044	13:29	0.053	0.054	-
13:30	-	0.044	13:30	0.051	0.054	-
13:31	-	0.044	13:31	0.053	0.054	-
13:32	-	0.044	13:32	0.054	0.054	-
13:33	-	0.044	13:33	0.053	0.054	-
13:34	-	0.044	13:34	0.058	0.054	-
13:35	-	0.044	13:35	0.052	0.054	-
13:36	-	0.044	13:36	0.053	0.054	-
13:37	-	0.044	13:37	0.053	0.054	-
13:38	-	0.044	13:38	0.057	0.054	-
13:39	-	0.044	13:39	0.054	0.054	-
13:40	-	0.044	13:40	0.055	0.054	-
13:41	-	0.044	13:41	0.055	0.054	-
13:42	-	0.044	13:42	0.056	0.054	-
13:43	-	0.044	13:43	0.054	0.054	-
13:44	-	0.044	13:44	0.052	0.054	-
13:45	-	0.044	13:45	0.051	0.054	-
13:46	-	0.044	13:46	0.053	0.054	-
13:47	-	0.044	13:47	0.05	0.054	-
13:48	-	0.044	13:48	0.049	0.053	-
13:49	-	0.044	13:49	0.052	0.053	-
13:50	-	0.044	13:50	0.049	0.053	-
13:51	-	0.044	13:51	0.049	0.053	-
13:52	-	0.044	13:52	0.051	0.052	-
13:53	-	0.044	13:53	0.049	0.052	-
13:54	-	0.044	13:54	0.049	0.052	-
13:55	-	0.044	13:55	0.049	0.051	-
13:56	-	0.044	13:56	0.05	0.051	-
13:57	-	0.044	13:57	0.049	0.050	-
13:58	-	0.044	13:58	0.049	0.050	-
13:59	-	0.044	13:59	0.047	0.050	-
14:00	-	0.044	14:00	0.048	0.050	-
14:01	-	0.044	14:01	0.049	0.049	-
14:02	-	0.044	14:02	0.051	0.049	-
14:03	-	0.044	14:03	0.049	0.049	-
14:04	-	0.044	14:04	0.047	0.049	-
14:05	-	0.044	14:05	0.048	0.049	-
14:06	-	0.044	14:06	0.048	0.049	-
14:07	-	0.044	14:07	0.052	0.049	-
14:08	-	0.044	14:08	0.05	0.049	-
14:09	-	0.044	14:09	0.048	0.049	-
14:10	-	0.044	14:10	0.047	0.049	-
14:11	-	0.044	14:11	0.05	0.049	-
14:12	-	0.044	14:12	0.049	0.049	-
14:13	-	0.044	14:13	0.049	0.049	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
14:14	-	0.044	14:14	0.05	0.049	-
14:15	-	0.044	14:15	0.05	0.049	-
14:16	-	0.044	14:16	0.05	0.049	-
14:17	-	0.044	14:17	0.049	0.049	-
14:18	-	0.044	14:18	0.049	0.049	-
14:19	-	0.044	14:19	0.049	0.049	-
14:20	-	0.044	14:20	0.05	0.049	-
14:21	-	0.044	14:21	0.051	0.050	-
14:22	-	0.044	14:22	0.049	0.049	-
14:23	-	0.044	14:23	0.05	0.049	-
14:24	-	0.044	14:24	0.05	0.049	-
14:25	-	0.044	14:25	0.049	0.050	-
14:26	-	0.044	14:26	0.05	0.050	-
14:27	-	0.044	14:27	0.051	0.050	-
14:28	-	0.044	14:28	0.053	0.050	-
14:29	-	0.044	14:29	0.05	0.050	-
14:30	-	0.044	14:30	0.049	0.050	-
14:31	-	0.044	14:31	0.049	0.050	-
14:32	-	0.044	14:32	0.048	0.050	-
14:33	-	0.044	14:33	0.05	0.050	-
14:34	-	0.044	14:34	0.048	0.050	-
14:35	-	0.044	14:35	0.05	0.050	-
14:36	-	0.044	14:36	0.049	0.050	-
14:37	-	0.044	14:37	0.046	0.049	-
14:38	-	0.044	14:38	0.047	0.049	-
14:39	-	0.044	14:39	0.046	0.049	-
14:40	-	0.044	14:40	0.045	0.049	-
14:41	-	0.044	14:41	0.045	0.048	-
14:42	-	0.044	14:42	0.044	0.048	-
14:43	-	0.044	14:43	0.044	0.047	-
14:44	-	0.044	14:44	0.045	0.047	-
14:45	-	0.044	14:45	0.044	0.047	-
14:46	-	0.044	14:46	0.046	0.046	-
14:47	-	0.044	14:47	0.045	0.046	-
14:48	-	0.044	14:48	0.046	0.046	-
14:49	-	0.044	14:49	0.045	0.046	-
14:50	-	0.044	14:50	0.046	0.046	-
14:51	-	0.044	14:51	0.046	0.045	-
14:52	-	0.044	14:52	0.047	0.045	-
14:53	-	0.044	14:53	0.048	0.045	-
14:54	-	0.044	14:54	0.046	0.045	-
14:55	-	0.044	14:55	0.047	0.046	-
14:56	-	0.044	14:56	0.049	0.046	-
14:57	-	0.044	14:57	0.048	0.046	-
14:58	-	0.044	14:58	0.051	0.047	-
14:59	-	0.044	14:59	0.05	0.047	-
15:00	-	0.044	15:00	0.049	0.047	-
15:01	-	0.044	15:01	0.054	0.048	-
15:02	-	0.044	15:02	0.053	0.048	-
15:03	-	0.044	15:03	0.056	0.049	-
15:04	-	0.044	15:04	0.057	0.050	-
15:05	-	0.044	15:05	0.061	0.051	-
15:06	-	0.044	15:06	0.064	0.052	-
15:07	-	0.044	15:07	0.059	0.053	-
15:08	-	0.044	15:08	0.063	0.054	-
15:09	-	0.044	15:09	0.06	0.055	-
15:10	-	0.044	15:10	0.056	0.055	-
15:11	-	0.044	15:11	0.06	0.056	-
15:12	-	0.044	15:12	0.058	0.057	-
15:13	-	0.044	15:13	0.057	0.057	-
15:14	-	0.044	15:14	0.053	0.057	-
15:15	-	0.044	15:15	0.052	0.058	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	44993.0	Time	Concentration (mg/m^3)	15-Minute Average	
15:16	-	0.044	15:16	0.052	0.057	-
15:17	-	0.044	15:17	0.051	0.057	-

Wednesday, March 8, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						420
170635401						7:37
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.1		7:43			
7:44	0.2		7:44			
7:45	0.2		7:45			
7:46	0.2		7:46			
7:47	0.3		7:47			
7:48	0.3		7:48			
7:49	0.3		7:49			
7:50	0.4		7:50			
7:51	0.2	0.1	7:51			
7:52	-	0.1	7:52	0.3	-	-
7:53	-	0.1	7:53	0.1	-	-
7:54	-	0.1	7:54	0.1	-	-
7:55	-	0.1	7:55	0.2	-	-
7:56	-	0.1	7:56	0.3	-	-
7:57	-	0.1	7:57	0.3	-	-
7:58	-	0.1	7:58	0.4	-	-
7:59	-	0.1	7:59	0.4	-	-
8:00	-	0.1	8:00	0.4	-	-
8:01	-	0.1	8:01	0.5	-	-
8:02	-	0.1	8:02	0.5	-	-
8:03	-	0.1	8:03	0.5	-	-
8:04	-	0.1	8:04	0.4	-	-
8:05	-	0.1	8:05	0.5	-	-
8:06	-	0.1	8:06	0.5	0.4	-
8:07	-	0.1	8:07	0.5	0.4	-
8:08	-	0.1	8:08	0.9	0.4	-
8:09	-	0.1	8:09	0.7	0.5	-
8:10	-	0.1	8:10	0.6	0.5	-
8:11	-	0.1	8:11	0.6	0.5	-
8:12	-	0.1	8:12	0.5	0.5	-
8:13	-	0.1	8:13	0.6	0.5	-
8:14	-	0.1	8:14	0.6	0.6	-
8:15	-	0.1	8:15	0.6	0.6	-
8:16	-	0.1	8:16	0.5	0.6	-
8:17	-	0.1	8:17	0.6	0.6	-
8:18	-	0.1	8:18	0.6	0.6	-
8:19	-	0.1	8:19	0.6	0.6	-
8:20	-	0.1	8:20	0.6	0.6	-
8:21	-	0.1	8:21	0.6	0.6	-
8:22	-	0.1	8:22	0.6	0.6	-
8:23	-	0.1	8:23	0.6	0.6	-
8:24	-	0.1	8:24	0.5	0.6	-
8:25	-	0.1	8:25	0.6	0.6	-
8:26	-	0.1	8:26	0.7	0.6	-
8:27	-	0.1	8:27	0.6	0.6	-
8:28	-	0.1	8:28	0.6	0.6	-
8:29	-	0.1	8:29	0.6	0.6	-
8:30	-	0.1	8:30	0.6	0.6	-
8:31	-	0.1	8:31	0.6	0.6	-
8:32	-	0.1	8:32	0.5	0.6	-
8:33	-	0.1	8:33	0.5	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:34	-	0.1	8:34	0.6	0.6	-
8:35	-	0.1	8:35	0.6	0.6	-
8:36	-	0.1	8:36	0.6	0.6	-
8:37	-	0.1	8:37	0.6	0.6	-
8:38	-	0.1	8:38	0.6	0.6	-
8:39	-	0.1	8:39	0.6	0.6	-
8:40	-	0.1	8:40	0.6	0.6	-
8:41	-	0.1	8:41	0.6	0.6	-
8:42	-	0.1	8:42	0.6	0.6	-
8:43	-	0.1	8:43	0.6	0.6	-
8:44	-	0.1	8:44	0.6	0.6	-
8:45	-	0.1	8:45	0.6	0.6	-
8:46	-	0.1	8:46	0.6	0.6	-
8:47	-	0.1	8:47	0.7	0.6	-
8:48	-	0.1	8:48	0.8	0.6	-
8:49	-	0.1	8:49	0.6	0.6	-
8:50	-	0.1	8:50	0.7	0.6	-
8:51	-	0.1	8:51	0.8	0.6	-
8:52	-	0.1	8:52	0.7	0.6	-
8:53	-	0.1	8:53	0.8	0.7	-
8:54	-	0.1	8:54	0.7	0.7	-
8:55	-	0.1	8:55	0.8	0.7	-
8:56	-	0.1	8:56	0.9	0.7	-
8:57	-	0.1	8:57	0.9	0.7	-
8:58	-	0.1	8:58	0.8	0.7	-
8:59	-	0.1	8:59	0.9	0.8	-
9:00	-	0.1	9:00	1.1	0.8	-
9:01	-	0.1	9:01	1.4	0.8	-
9:02	-	0.1	9:02	1.3	0.9	-
9:03	-	0.1	9:03	1.5	0.9	-
9:04	-	0.1	9:04	1.3	1.0	-
9:05	-	0.1	9:05	1.4	1.0	-
9:06	-	0.1	9:06	1.3	1.1	-
9:07	-	0.1	9:07	1.4	1.1	-
9:08	-	0.1	9:08	1.5	1.1	-
9:09	-	0.1	9:09	1.5	1.2	-
9:10	-	0.1	9:10	1.2	1.2	-
9:11	-	0.1	9:11	1.3	1.3	-
9:12	-	0.1	9:12	1.1	1.3	-
9:13	-	0.1	9:13	1.1	1.3	-
9:14	-	0.1	9:14	1.2	1.3	-
9:15	-	0.1	9:15	1.4	1.3	-
9:16	-	0.1	9:16	1.6	1.3	-
9:17	-	0.1	9:17	1.3	1.3	-
9:18	-	0.1	9:18	1.6	1.3	-
9:19	-	0.1	9:19	1.6	1.4	-
9:20	-	0.1	9:20	1.6	1.4	-
9:21	-	0.1	9:21	1.6	1.4	-
9:22	-	0.1	9:22	1.4	1.4	-
9:23	-	0.1	9:23	1.4	1.4	-
9:24	-	0.1	9:24	1.1	1.4	-
9:25	-	0.1	9:25	1.1	1.4	-
9:26	-	0.1	9:26	1.3	1.4	-
9:27	-	0.1	9:27	1.4	1.4	-
9:28	-	0.1	9:28	1.4	1.4	-
9:29	-	0.1	9:29	1.4	1.4	-
9:30	-	0.1	9:30	1.4	1.4	-
9:31	-	0.1	9:31	1.4	1.4	-
9:32	-	0.1	9:32	1.6	1.4	-
9:33	-	0.1	9:33	1.5	1.4	-
9:34	-	0.1	9:34	1.6	1.4	-
9:35	-	0.1	9:35	1.6	1.4	-
9:36	-	0.1	9:36	1.3	1.4	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:37	-	0.1	9:37	1.3	1.4	-
9:38	-	0.1	9:38	1.3	1.4	-
9:39	-	0.1	9:39	1.4	1.4	-
9:40	-	0.1	9:40	1.3	1.4	-
9:41	-	0.1	9:41	1.2	1.4	-
9:42	-	0.1	9:42	1.3	1.4	-
9:43	-	0.1	9:43	1.2	1.4	-
9:44	-	0.1	9:44	1.3	1.4	-
9:45	-	0.1	9:45	1.3	1.4	-
9:46	-	0.1	9:46	1.3	1.4	-
9:47	-	0.1	9:47	1.2	1.3	-
9:48	-	0.1	9:48	1.1	1.3	-
9:49	-	0.1	9:49	1.1	1.3	-
9:50	-	0.1	9:50	1.2	1.3	-
9:51	-	0.1	9:51	1.2	1.2	-
9:52	-	0.1	9:52	1.2	1.2	-
9:53	-	0.1	9:53	1.5	1.3	-
9:54	-	0.1	9:54	1.3	1.2	-
9:55	-	0.1	9:55	1.3	1.2	-
9:56	-	0.1	9:56	1.2	1.2	-
9:57	-	0.1	9:57	1.2	1.2	-
9:58	-	0.1	9:58	1.1	1.2	-
9:59	-	0.1	9:59	1.1	1.2	-
10:00	-	0.1	10:00	1.2	1.2	-
10:01	-	0.1	10:01	1.1	1.2	-
10:02	-	0.1	10:02	1.1	1.2	-
10:03	-	0.1	10:03	1.0	1.2	-
10:04	-	0.1	10:04	1.1	1.2	-
10:05	-	0.1	10:05	1.0	1.2	-
10:06	-	0.1	10:06	1.0	1.2	-
10:07	-	0.1	10:07	1.0	1.1	-
10:08	-	0.1	10:08	1.0	1.1	-
10:09	-	0.1	10:09	1.0	1.1	-
10:10	-	0.1	10:10	0.8	1.1	-
10:11	-	0.1	10:11	0.9	1.0	-
10:12	-	0.1	10:12	0.8	1.0	-
10:13	-	0.1	10:13	0.8	1.0	-
10:14	-	0.1	10:14	0.8	1.0	-
10:15	-	0.1	10:15	0.8	0.9	-
10:16	-	0.1	10:16	0.9	0.9	-
10:17	-	0.1	10:17	0.9	0.9	-
10:18	-	0.1	10:18	0.8	0.9	-
10:19	-	0.1	10:19	0.8	0.9	-
10:20	-	0.1	10:20	0.8	0.9	-
10:21	-	0.1	10:21	0.8	0.9	-
10:22	-	0.1	10:22	0.8	0.8	-
10:23	-	0.1	10:23	0.7	0.8	-
10:24	-	0.1	10:24	0.7	0.8	-
10:25	-	0.1	10:25	0.7	0.8	-
10:26	-	0.1	10:26	0.7	0.8	-
10:27	-	0.1	10:27	0.7	0.8	-
10:28	-	0.1	10:28	0.7	0.8	-
10:29	-	0.1	10:29	0.7	0.8	-
10:30	-	0.1	10:30	0.7	0.8	-
10:31	-	0.1	10:31	0.7	0.7	-
10:32	-	0.1	10:32	0.7	0.7	-
10:33	-	0.1	10:33	0.6	0.7	-
10:34	-	0.1	10:34	0.6	0.7	-
10:35	-	0.1	10:35	0.6	0.7	-
10:36	-	0.1	10:36	0.6	0.7	-
10:37	-	0.1	10:37	0.5	0.7	-
10:38	-	0.1	10:38	0.5	0.6	-
10:39	-	0.1	10:39	0.5	0.6	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:40	-	0.1	10:40	0.5	0.6	-
10:41	-	0.1	10:41	0.4	0.6	-
10:42	-	0.1	10:42	0.5	0.6	-
10:43	-	0.1	10:43	0.5	0.6	-
10:44	-	0.1	10:44	0.5	0.6	-
10:45	-	0.1	10:45	0.5	0.5	-
10:46	-	0.1	10:46	0.5	0.5	-
10:47	-	0.1	10:47	0.5	0.5	-
10:48	-	0.1	10:48	0.5	0.5	-
10:49	-	0.1	10:49	0.5	0.5	-
10:50	-	0.1	10:50	0.5	0.5	-
10:51	-	0.1	10:51	0.4	0.5	-
10:52	-	0.1	10:52	0.4	0.5	-
10:53	-	0.1	10:53	0.3	0.5	-
10:54	-	0.1	10:54	0.3	0.5	-
10:55	-	0.1	10:55	0.3	0.4	-
10:56	-	0.1	10:56	0.3	0.4	-
10:57	-	0.1	10:57	0.3	0.4	-
10:58	-	0.1	10:58	0.3	0.4	-
10:59	-	0.1	10:59	0.2	0.4	-
11:00	-	0.1	11:00	0.3	0.4	-
11:01	-	0.1	11:01	0.3	0.4	-
11:02	-	0.1	11:02	0.3	0.3	-
11:03	-	0.1	11:03	0.3	0.3	-
11:04	-	0.1	11:04	0.1	0.3	-
11:05	-	0.1	11:05	0.1	0.3	-
11:06	-	0.1	11:06	0.2	0.3	-
11:07	-	0.1	11:07	0.3	0.3	-
11:08	-	0.1	11:08	0.1	0.2	-
11:09	-	0.1	11:09	0.1	0.2	-
11:10	-	0.1	11:10	0.0	0.2	-
11:11	-	0.1	11:11	0.0	0.2	-
11:12	-	0.1	11:12	0.0	0.2	-
11:13	-	0.1	11:13	0.0	0.2	-
11:14	-	0.1	11:14	0.0	0.1	-
11:15	-	0.1	11:15	0.0	0.1	-
11:16	-	0.1	11:16	0.0	0.1	-
11:17	-	0.1	11:17	0.0	0.1	-
11:18	-	0.1	11:18	0.0	0.1	-
11:19	-	0.1	11:19	0.0	0.1	-
11:20	-	0.1	11:20	0.0	0.0	-
11:21	-	0.1	11:21	0.0	0.0	-
11:22	-	0.1	11:22	0.1	0.0	-
11:23	-	0.1	11:23	0.0	0.0	-
11:24	-	0.1	11:24	0.0	0.0	-
11:25	-	0.1	11:25	0.0	0.0	-
11:26	-	0.1	11:26	0.0	0.0	-
11:27	-	0.1	11:27	0.0	0.0	-
11:28	-	0.1	11:28	0.0	0.0	-
11:29	-	0.1	11:29	0.0	0.0	-
11:30	-	0.1	11:30	0.0	0.0	-
11:31	-	0.1	11:31	0.0	0.0	-
11:32	-	0.1	11:32	0.0	0.0	-
11:33	-	0.1	11:33	0.0	0.0	-
11:34	-	0.1	11:34	0.0	0.0	-
11:35	-	0.1	11:35	0.0	0.0	-
11:36	-	0.1	11:36	0.0	0.0	-
11:37	-	0.1	11:37	0.0	0.0	-
11:38	-	0.1	11:38	0.0	0.0	-
11:39	-	0.1	11:39	0.0	0.0	-
11:40	-	0.1	11:40	0.0	0.0	-
11:41	-	0.1	11:41	0.0	0.0	-
11:42	-	0.1	11:42	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:43	-	0.1	11:43	0.0	0.0	-
11:44	-	0.1	11:44	0.0	0.0	-
11:45	-	0.1	11:45	0.0	0.0	-
11:46	-	0.1	11:46	0.0	0.0	-
11:47	-	0.1	11:47	0.0	0.0	-
11:48	-	0.1	11:48	0.0	0.0	-
11:49	-	0.1	11:49	0.0	0.0	-
11:50	-	0.1	11:50	0.0	0.0	-
11:51	-	0.1	11:51	0.0	0.0	-
11:52	-	0.1	11:52	0.0	0.0	-
11:53	-	0.1	11:53	0.0	0.0	-
11:54	-	0.1	11:54	0.0	0.0	-
11:55	-	0.1	11:55	0.0	0.0	-
11:56	-	0.1	11:56	0.0	0.0	-
11:57	-	0.1	11:57	0.0	0.0	-
11:58	-	0.1	11:58	0.0	0.0	-
11:59	-	0.1	11:59	0.0	0.0	-
12:00	-	0.1	12:00	0.0	0.0	-
12:01	-	0.1	12:01	0.0	0.0	-
12:02	-	0.1	12:02	0.0	0.0	-
12:03	-	0.1	12:03	0.0	0.0	-
12:04	-	0.1	12:04	0.0	0.0	-
12:05	-	0.1	12:05	0.0	0.0	-
12:06	-	0.1	12:06	0.0	0.0	-
12:07	-	0.1	12:07	0.0	0.0	-
12:08	-	0.1	12:08	0.0	0.0	-
12:09	-	0.1	12:09	0.0	0.0	-
12:10	-	0.1	12:10	0.0	0.0	-
12:11	-	0.1	12:11	0.0	0.0	-
12:12	-	0.1	12:12	0.0	0.0	-
12:13	-	0.1	12:13	0.0	0.0	-
12:14	-	0.1	12:14	0.0	0.0	-
12:15	-	0.1	12:15	0.0	0.0	-
12:16	-	0.1	12:16	0.0	0.0	-
12:17	-	0.1	12:17	0.0	0.0	-
12:18	-	0.1	12:18	0.0	0.0	-
12:19	-	0.1	12:19	0.0	0.0	-
12:20	-	0.1	12:20	0.0	0.0	-
12:21	-	0.1	12:21	0.0	0.0	-
12:22	-	0.1	12:22	0.0	0.0	-
12:23	-	0.1	12:23	0.0	0.0	-
12:24	-	0.1	12:24	0.0	0.0	-
12:25	-	0.1	12:25	0.0	0.0	-
12:26	-	0.1	12:26	0.0	0.0	-
12:27	-	0.1	12:27	0.0	0.0	-
12:28	-	0.1	12:28	0.0	0.0	-
12:29	-	0.1	12:29	0.0	0.0	-
12:30	-	0.1	12:30	0.0	0.0	-
12:31	-	0.1	12:31	0.0	0.0	-
12:32	-	0.1	12:32	0.0	0.0	-
12:33	-	0.1	12:33	0.0	0.0	-
12:34	-	0.1	12:34	0.0	0.0	-
12:35	-	0.1	12:35	0.0	0.0	-
12:36	-	0.1	12:36	0.0	0.0	-
12:37	-	0.1	12:37	0.0	0.0	-
12:38	-	0.1	12:38	0.0	0.0	-
12:39	-	0.1	12:39	0.0	0.0	-
12:40	-	0.1	12:40	0.0	0.0	-
12:41	-	0.1	12:41	0.0	0.0	-
12:42	-	0.1	12:42	0.0	0.0	-
12:43	-	0.1	12:43	0.0	0.0	-
12:44	-	0.1	12:44	0.0	0.0	-
12:45	-	0.1	12:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:46	-	0.1	12:46	0.0	0.0	-
12:47	-	0.1	12:47	0.0	0.0	-
12:48	-	0.1	12:48	0.0	0.0	-
12:49	-	0.1	12:49	0.0	0.0	-
12:50	-	0.1	12:50	0.0	0.0	-
12:51	-	0.1	12:51	0.0	0.0	-
12:52	-	0.1	12:52	0.0	0.0	-
12:53	-	0.1	12:53	0.0	0.0	-
12:54	-	0.1	12:54	0.0	0.0	-
12:55	-	0.1	12:55	0.0	0.0	-
12:56	-	0.1	12:56	0.0	0.0	-
12:57	-	0.1	12:57	0.0	0.0	-
12:58	-	0.1	12:58	0.0	0.0	-
12:59	-	0.1	12:59	0.0	0.0	-
13:00	-	0.1	13:00	0.0	0.0	-
13:01	-	0.1	13:01	0.0	0.0	-
13:02	-	0.1	13:02	0.0	0.0	-
13:03	-	0.1	13:03	0.0	0.0	-
13:04	-	0.1	13:04	0.0	0.0	-
13:05	-	0.1	13:05	0.0	0.0	-
13:06	-	0.1	13:06	0.0	0.0	-
13:07	-	0.1	13:07	0.0	0.0	-
13:08	-	0.1	13:08	0.0	0.0	-
13:09	-	0.1	13:09	0.0	0.0	-
13:10	-	0.1	13:10	0.0	0.0	-
13:11	-	0.1	13:11	0.0	0.0	-
13:12	-	0.1	13:12	0.0	0.0	-
13:13	-	0.1	13:13	0.0	0.0	-
13:14	-	0.1	13:14	0.0	0.0	-
13:15	-	0.1	13:15	0.0	0.0	-
13:16	-	0.1	13:16	0.0	0.0	-
13:17	-	0.1	13:17	0.0	0.0	-
13:18	-	0.1	13:18	0.0	0.0	-
13:19	-	0.1	13:19	0.0	0.0	-
13:20	-	0.1	13:20	0.0	0.0	-
13:21	-	0.1	13:21	0.0	0.0	-
13:22	-	0.1	13:22	0.0	0.0	-
13:23	-	0.1	13:23	0.0	0.0	-
13:24	-	0.1	13:24	0.0	0.0	-
13:25	-	0.1	13:25	0.0	0.0	-
13:26	-	0.1	13:26	0.0	0.0	-
13:27	-	0.1	13:27	0.0	0.0	-
13:28	-	0.1	13:28	0.0	0.0	-
13:29	-	0.1	13:29	0.0	0.0	-
13:30	-	0.1	13:30	0.0	0.0	-
13:31	-	0.1	13:31	0.0	0.0	-
13:32	-	0.1	13:32	0.0	0.0	-
13:33	-	0.1	13:33	0.0	0.0	-
13:34	-	0.1	13:34	0.0	0.0	-
13:35	-	0.1	13:35	0.0	0.0	-
13:36	-	0.1	13:36	0.0	0.0	-
13:37	-	0.1	13:37	0.0	0.0	-
13:38	-	0.1	13:38	0.0	0.0	-
13:39	-	0.1	13:39	0.0	0.0	-
13:40	-	0.1	13:40	0.0	0.0	-
13:41	-	0.1	13:41	0.0	0.0	-
13:42	-	0.1	13:42	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:43	-	0.1	13:43	0.0	0.0	-
13:44	-	0.1	13:44	0.0	0.0	-
13:45	-	0.1	13:45	0.0	0.0	-
13:46	-	0.1	13:46	0.0	0.0	-
13:47	-	0.1	13:47	0.0	0.0	-
13:48	-	0.1	13:48	0.0	0.0	-
13:49	-	0.1	13:49	0.0	0.0	-
13:50	-	0.1	13:50	0.0	0.0	-
13:51	-	0.1	13:51	0.0	0.0	-
13:52	-	0.1	13:52	0.0	0.0	-
13:53	-	0.1	13:53	0.0	0.0	-
13:54	-	0.1	13:54	0.0	0.0	-
13:55	-	0.1	13:55	0.0	0.0	-
13:56	-	0.1	13:56	0.0	0.0	-
13:57	-	0.1	13:57	0.0	0.0	-
13:58	-	0.1	13:58	0.0	0.0	-
13:59	-	0.1	13:59	0.0	0.0	-
14:00	-	0.1	14:00	0.0	0.0	-
14:01	-	0.1	14:01	0.0	0.0	-
14:02	-	0.1	14:02	0.0	0.0	-
14:03	-	0.1	14:03	0.0	0.0	-
14:04	-	0.1	14:04	0.0	0.0	-
14:05	-	0.1	14:05	0.0	0.0	-
14:06	-	0.1	14:06	0.0	0.0	-
14:07	-	0.1	14:07	0.0	0.0	-
14:08	-	0.1	14:08	0.0	0.0	-
14:09	-	0.1	14:09	0.0	0.0	-
14:10	-	0.1	14:10	0.0	0.0	-
14:11	-	0.1	14:11	0.0	0.0	-
14:12	-	0.1	14:12	0.0	0.0	-
14:13	-	0.1	14:13	0.0	0.0	-
14:14	-	0.1	14:14	0.0	0.0	-
14:15	-	0.1	14:15	0.0	0.0	-
14:16	-	0.1	14:16	0.0	0.0	-
14:17	-	0.1	14:17	0.0	0.0	-
14:18	-	0.1	14:18	0.0	0.0	-
14:19	-	0.1	14:19	0.0	0.0	-
14:20	-	0.1	14:20	0.0	0.0	-
14:21	-	0.1	14:21	0.0	0.0	-
14:22	-	0.1	14:22	0.0	0.0	-
14:23	-	0.1	14:23	0.0	0.0	-
14:24	-	0.1	14:24	0.0	0.0	-
14:25	-	0.1	14:25	0.0	0.0	-
14:26	-	0.1	14:26	0.0	0.0	-
14:27	-	0.1	14:27	0.0	0.0	-
14:28	-	0.1	14:28	0.0	0.0	-
14:29	-	0.1	14:29	0.0	0.0	-
14:30	-	0.1	14:30	0.0	0.0	-
14:31	-	0.1	14:31	0.0	0.0	-
14:32	-	0.1	14:32	0.0	0.0	-
14:33	-	0.1	14:33	0.0	0.0	-
14:34	-	0.1	14:34	0.0	0.0	-
14:35	-	0.1	14:35	0.0	0.0	-
14:36	-	0.1	14:36	0.0	0.0	-
14:37	-	0.1	14:37	0.0	0.0	-
14:38	-	0.1	14:38	0.0	0.0	-
14:39	-	0.1	14:39	0.0	0.0	-
14:40	-	0.1	14:40	0.0	0.0	-
14:41	-	0.1	14:41	0.0	0.0	-
14:42	-	0.1	14:42	0.0	0.0	-
14:43	-	0.1	14:43	0.0	0.0	-
14:44	-	0.1	14:44	0.0	0.0	-
14:45	-	0.1	14:45	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:46	-	0.1	14:46	0.0	0.0	-
14:47	-	0.1	14:47	0.0	0.0	-
14:48	-	0.1	14:48	0.0	0.0	-
14:49	-	0.1	14:49	0.0	0.0	-
14:50	-	0.1	14:50	0.0	0.0	-
14:51	-	0.1	14:51	0.0	0.0	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/20/2023
Start: 7:35 AM
End: 12:19 PM
Observer: Jack Frey

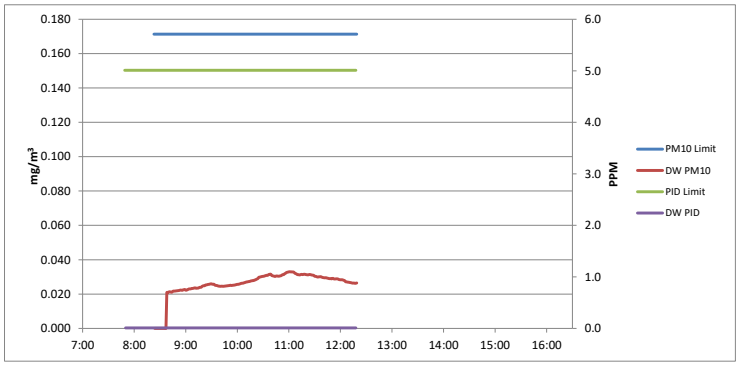
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0213	0.0209
Maximum 15min Average	0.0213	0.0330
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0190	0.0200
Maximum 1min Reading	0.0270	0.0400

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.000
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Monday, March 20, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						222
170635401						8:09
End Time:						12:19
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:09	0.021		8:09			
8:10	0.023		8:10			
8:11	0.022		8:11			
8:12	0.022		8:12			
8:13	0.021		8:13			
8:14	0.020		8:14			
8:15	0.02		8:15			
8:16	0.02		8:16			
8:17	0.02		8:17			
8:18	0.019		8:18			
8:19	0.027		8:19			
8:20	0.021		8:20			
8:21	0.02		8:21			
8:22	0.021		8:22			
8:23	0.02	0.021	8:23			
8:24		0.021	8:24	0.02	-	
8:25	-	0.021	8:25	0.02	-	
8:26	-	0.021	8:26	0.02	-	
8:27	-	0.021	8:27	0.023	-	
8:28	-	0.021	8:28	0.023	-	
8:29	-	0.021	8:29	0.021	-	
8:30	-	0.021	8:30	0.021	-	
8:31	-	0.021	8:31	0.021	-	
8:32	-	0.021	8:32	0.021	-	
8:33	-	0.021	8:33	0.02	-	
8:34	-	0.021	8:34	0.02	-	
8:35	-	0.021	8:35	0.021	-	
8:36	-	0.021	8:36	0.021	-	
8:37	-	0.021	8:37	0.021	-	
8:38	-	0.021	8:38	0.021	0.021	-
8:39	-	0.021	8:39	0.02	0.021	-
8:40	-	0.021	8:40	0.023	0.021	-
8:41	-	0.021	8:41	0.023	0.021	-
8:42	-	0.021	8:42	0.022	0.021	-
8:43	-	0.021	8:43	0.021	0.021	-
8:44	-	0.021	8:44	0.021	0.021	-
8:45	-	0.021	8:45	0.028	0.022	-
8:46	-	0.021	8:46	0.023	0.022	-
8:47	-	0.021	8:47	0.021	0.022	-
8:48	-	0.021	8:48	0.021	0.022	-
8:49	-	0.021	8:49	0.021	0.022	-
8:50	-	0.021	8:50	0.022	0.022	-
8:51	-	0.021	8:51	0.022	0.022	-
8:52	-	0.021	8:52	0.022	0.022	-
8:53	-	0.021	8:53	0.023	0.022	-
8:54	-	0.021	8:54	0.022	0.022	-
8:55	-	0.021	8:55	0.022	0.022	-
8:56	-	0.021	8:56	0.022	0.022	-
8:57	-	0.021	8:57	0.026	0.022	-
8:58	-	0.021	8:58	0.022	0.023	-
8:59	-	0.021	8:59	0.023	0.023	-
9:00	-	0.021	9:00	0.022	0.022	-
9:01	-	0.021	9:01	0.024	0.022	-
9:02	-	0.021	9:02	0.024	0.023	-
9:03	-	0.021	9:03	0.025	0.023	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:04	-	0.021	9:04	0.024	0.023	-
9:05	-	0.021	9:05	0.022	0.023	-
9:06	-	0.021	9:06	0.023	0.023	-
9:07	-	0.021	9:07	0.025	0.023	-
9:08	-	0.021	9:08	0.023	0.023	-
9:09	-	0.021	9:09	0.024	0.023	-
9:10	-	0.021	9:10	0.024	0.024	-
9:11	-	0.021	9:11	0.023	0.024	-
9:12	-	0.021	9:12	0.023	0.023	-
9:13	-	0.021	9:13	0.023	0.023	-
9:14	-	0.021	9:14	0.023	0.023	-
9:15	-	0.021	9:15	0.024	0.024	-
9:16	-	0.021	9:16	0.028	0.024	-
9:17	-	0.021	9:17	0.025	0.024	-
9:18	-	0.021	9:18	0.026	0.024	-
9:19	-	0.021	9:19	0.031	0.024	-
9:20	-	0.021	9:20	0.026	0.025	-
9:21	-	0.021	9:21	0.025	0.025	-
9:22	-	0.021	9:22	0.025	0.025	-
9:23	-	0.021	9:23	0.029	0.025	-
9:24	-	0.021	9:24	0.025	0.025	-
9:25	-	0.021	9:25	0.026	0.025	-
9:26	-	0.021	9:26	0.025	0.026	-
9:27	-	0.021	9:27	0.024	0.026	-
9:28	-	0.021	9:28	0.025	0.026	-
9:29	-	0.021	9:29	0.025	0.026	-
9:30	-	0.021	9:30	0.024	0.026	-
9:31	-	0.021	9:31	0.025	0.026	-
9:32	-	0.021	9:32	0.025	0.026	-
9:33	-	0.021	9:33	0.025	0.026	-
9:34	-	0.021	9:34	0.024	0.025	-
9:35	-	0.021	9:35	0.024	0.025	-
9:36	-	0.021	9:36	0.024	0.025	-
9:37	-	0.021	9:37	0.023	0.025	-
9:38	-	0.021	9:38	0.026	0.025	-
9:39	-	0.021	9:39	0.024	0.025	-
9:40	-	0.021	9:40	0.025	0.025	-
9:41	-	0.021	9:41	0.025	0.025	-
9:42	-	0.021	9:42	0.025	0.025	-
9:43	-	0.021	9:43	0.024	0.025	-
9:44	-	0.021	9:44	0.025	0.025	-
9:45	-	0.021	9:45	0.025	0.025	-
9:46	-	0.021	9:46	0.026	0.025	-
9:47	-	0.021	9:47	0.026	0.025	-
9:48	-	0.021	9:48	0.026	0.025	-
9:49	-	0.021	9:49	0.025	0.025	-
9:50	-	0.021	9:50	0.025	0.025	-
9:51	-	0.021	9:51	0.025	0.025	-
9:52	-	0.021	9:52	0.025	0.025	-
9:53	-	0.021	9:53	0.024	0.025	-
9:54	-	0.021	9:54	0.025	0.025	-
9:55	-	0.021	9:55	0.026	0.025	-
9:56	-	0.021	9:56	0.026	0.025	-
9:57	-	0.021	9:57	0.026	0.025	-
9:58	-	0.021	9:58	0.026	0.025	-
9:59	-	0.021	9:59	0.027	0.026	-
10:00	-	0.021	10:00	0.027	0.026	-
10:01	-	0.021	10:01	0.026	0.026	-
10:02	-	0.021	10:02	0.028	0.026	-
10:03	-	0.021	10:03	0.028	0.026	-
10:04	-	0.021	10:04	0.028	0.026	-
10:05	-	0.021	10:05	0.027	0.026	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:06	-	0.021	10:06	0.026	0.026	-
10:07	-	0.021	10:07	0.026	0.026	-
10:08	-	0.021	10:08	0.027	0.027	-
10:09	-	0.021	10:09	0.027	0.027	-
10:10	-	0.021	10:10	0.029	0.027	-
10:11	-	0.021	10:11	0.028	0.027	-
10:12	-	0.021	10:12	0.027	0.027	-
10:13	-	0.021	10:13	0.028	0.027	-
10:14	-	0.021	10:14	0.028	0.027	-
10:15	-	0.021	10:15	0.029	0.027	-
10:16	-	0.021	10:16	0.029	0.028	-
10:17	-	0.021	10:17	0.029	0.028	-
10:18	-	0.021	10:18	0.03	0.028	-
10:19	-	0.021	10:19	0.028	0.028	-
10:20	-	0.021	10:20	0.031	0.028	-
10:21	-	0.021	10:21	0.028	0.028	-
10:22	-	0.021	10:22	0.03	0.029	-
10:23	-	0.021	10:23	0.031	0.029	-
10:24	-	0.021	10:24	0.031	0.029	-
10:25	-	0.021	10:25	0.039	0.030	-
10:26	-	0.021	10:26	0.03	0.030	-
10:27	-	0.021	10:27	0.029	0.030	-
10:28	-	0.021	10:28	0.03	0.030	-
10:29	-	0.021	10:29	0.03	0.030	-
10:30	-	0.021	10:30	0.03	0.030	-
10:31	-	0.021	10:31	0.03	0.030	-
10:32	-	0.021	10:32	0.032	0.031	-
10:33	-	0.021	10:33	0.032	0.031	-
10:34	-	0.021	10:34	0.031	0.031	-
10:35	-	0.021	10:35	0.03	0.031	-
10:36	-	0.021	10:36	0.032	0.031	-
10:37	-	0.021	10:37	0.035	0.031	-
10:38	-	0.021	10:38	0.031	0.031	-
10:39	-	0.021	10:39	0.033	0.032	-
10:40	-	0.021	10:40	0.028	0.031	-
10:41	-	0.021	10:41	0.027	0.031	-
10:42	-	0.021	10:42	0.027	0.031	-
10:43	-	0.021	10:43	0.028	0.030	-
10:44	-	0.021	10:44	0.028	0.030	-
10:45	-	0.021	10:45	0.033	0.030	-
10:46	-	0.021	10:46	0.031	0.031	-
10:47	-	0.021	10:47	0.031	0.030	-
10:48	-	0.021	10:48	0.031	0.030	-
10:49	-	0.021	10:49	0.032	0.030	-
10:50	-	0.021	10:50	0.032	0.031	-
10:51	-	0.021	10:51	0.034	0.031	-
10:52	-	0.021	10:52	0.04	0.031	-
10:53	-	0.021	10:53	0.035	0.031	-
10:54	-	0.021	10:54	0.033	0.031	-
10:55	-	0.021	10:55	0.035	0.032	-
10:56	-	0.021	10:56	0.031	0.032	-
10:57	-	0.021	10:57	0.033	0.032	-
10:58	-	0.021	10:58	0.031	0.033	-
10:59	-	0.021	10:59	0.03	0.033	-
11:00	-	0.021	11:00	0.035	0.033	-
11:01	-	0.021	11:01	0.032	0.033	-
11:02	-	0.021	11:02	0.03	0.033	-
11:03	-	0.021	11:03	0.031	0.033	-
11:04	-	0.021	11:04	0.031	0.033	-
11:05	-	0.021	11:05	0.032	0.033	-
11:06	-	0.021	11:06	0.031	0.033	-
11:07	-	0.021	11:07	0.032	0.032	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:08	-	0.021	11:08	0.032	0.032	-
11:09	-	0.021	11:09	0.029	0.032	-
11:10	-	0.021	11:10	0.03	0.031	-
11:11	-	0.021	11:11	0.031	0.031	-
11:12	-	0.021	11:12	0.031	0.031	-
11:13	-	0.021	11:13	0.031	0.031	-
11:14	-	0.021	11:14	0.033	0.031	-
11:15	-	0.021	11:15	0.036	0.031	-
11:16	-	0.021	11:16	0.03	0.031	-
11:17	-	0.021	11:17	0.032	0.031	-
11:18	-	0.021	11:18	0.032	0.032	-
11:19	-	0.021	11:19	0.03	0.031	-
11:20	-	0.021	11:20	0.03	0.031	-
11:21	-	0.021	11:21	0.03	0.031	-
11:22	-	0.021	11:22	0.031	0.031	-
11:23	-	0.021	11:23	0.033	0.031	-
11:24	-	0.021	11:24	0.031	0.031	-
11:25	-	0.021	11:25	0.029	0.031	-
11:26	-	0.021	11:26	0.029	0.031	-
11:27	-	0.021	11:27	0.029	0.031	-
11:28	-	0.021	11:28	0.03	0.031	-
11:29	-	0.021	11:29	0.031	0.031	-
11:30	-	0.021	11:30	0.029	0.030	-
11:31	-	0.021	11:31	0.029	0.030	-
11:32	-	0.021	11:32	0.03	0.030	-
11:33	-	0.021	11:33	0.029	0.030	-
11:34	-	0.021	11:34	0.029	0.030	-
11:35	-	0.021	11:35	0.032	0.030	-
11:36	-	0.021	11:36	0.03	0.030	-
11:37	-	0.021	11:37	0.032	0.030	-
11:38	-	0.021	11:38	0.03	0.030	-
11:39	-	0.021	11:39	0.028	0.030	-
11:40	-	0.021	11:40	0.027	0.030	-
11:41	-	0.021	11:41	0.028	0.030	-
11:42	-	0.021	11:42	0.028	0.029	-
11:43	-	0.021	11:43	0.031	0.030	-
11:44	-	0.021	11:44	0.029	0.029	-
11:45	-	0.021	11:45	0.027	0.029	-
11:46	-	0.021	11:46	0.027	0.029	-
11:47	-	0.021	11:47	0.028	0.029	-
11:48	-	0.021	11:48	0.029	0.029	-
11:49	-	0.021	11:49	0.029	0.029	-
11:50	-	0.021	11:50	0.03	0.029	-
11:51	-	0.021	11:51	0.035	0.029	-
11:52	-	0.021	11:52	0.028	0.029	-
11:53	-	0.021	11:53	0.028	0.029	-
11:54	-	0.021	11:54	0.028	0.029	-
11:55	-	0.021	11:55	0.028	0.029	-
11:56	-	0.021	11:56	0.028	0.029	-
11:57	-	0.021	11:57	0.027	0.029	-
11:58	-	0.021	11:58	0.027	0.029	-
11:59	-	0.021	11:59	0.027	0.028	-
12:00	-	0.021	12:00	0.026	0.028	-
12:01	-	0.021	12:01	0.027	0.028	-
12:02	-	0.021	12:02	0.028	0.028	-
12:03	-	0.021	12:03	0.027	0.028	-
12:04	-	0.021	12:04	0.026	0.028	-
12:05	-	0.021	12:05	0.027	0.028	-
12:06	-	0.021	12:06	0.026	0.027	-
12:07	-	0.021	12:07	0.027	0.027	-
12:08	-	0.021	12:08	0.026	0.027	-
12:09	-	0.021	12:09	0.027	0.027	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:10	-	0.021	12:10	0.027	0.027	-
12:11	-	0.021	12:11	0.026	0.027	-
12:12	-	0.021	12:12	0.026	0.027	-
12:13	-	0.021	12:13	0.025	0.027	-
12:14	-	0.021	12:14	0.025	0.026	-
12:15	-	0.021	12:15	0.026	0.026	-
12:16	-	0.021	12:16	0.027	0.026	-
12:17	-	0.021	12:17	0.026	0.026	-
12:18	-	0.021	12:18	0.028	0.026	-
12:19	-	0.021	12:19	0.028	0.026	-

Monday, March 20, 2023						
				Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =		0
				Number of Comparable Data Points =		269
				170635401		7:35
				End Time:		13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0		7:45			
7:46	0.0		7:46			
7:47	0.0		7:47			
7:48	0.0		7:48			
7:49	0.0	0.0	7:49			
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.0	-	-
7:59	-	0.0	7:59	0.0	-	-
8:00	-	0.0	8:00	0.0	-	-
8:01	-	0.0	8:01	0.0	-	-
8:02	-	0.0	8:02	0.0	-	-
8:03	-	0.0	8:03	0.0	-	-
8:04	-	0.0	8:04	0.0	0.0	-
8:05	-	0.0	8:05	0.0	0.0	-
8:06	-	0.0	8:06	0.0	0.0	-
8:07	-	0.0	8:07	0.0	0.0	-
8:08	-	0.0	8:08	0.0	0.0	-
8:09	-	0.0	8:09	0.0	0.0	-
8:10	-	0.0	8:10	0.0	0.0	-
8:11	-	0.0	8:11	0.0	0.0	-
8:12	-	0.0	8:12	0.0	0.0	-
8:13	-	0.0	8:13	0.0	0.0	-
8:14	-	0.0	8:14	0.0	0.0	-
8:15	-	0.0	8:15	0.0	0.0	-
8:16	-	0.0	8:16	0.0	0.0	-
8:17	-	0.0	8:17	0.0	0.0	-
8:18	-	0.0	8:18	0.0	0.0	-
8:19	-	0.0	8:19	0.0	0.0	-
8:20	-	0.0	8:20	0.0	0.0	-
8:21	-	0.0	8:21	0.0	0.0	-
8:22	-	0.0	8:22	0.0	0.0	-
8:23	-	0.0	8:23	0.0	0.0	-
8:24	-	0.0	8:24	0.0	0.0	-
8:25	-	0.0	8:25	0.0	0.0	-
8:26	-	0.0	8:26	0.0	0.0	-
8:27	-	0.0	8:27	0.0	0.0	-
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.0	0.0	-
8:50	-	0.0	8:50	0.0	0.0	-
8:51	-	0.0	8:51	0.0	0.0	-
8:52	-	0.0	8:52	0.0	0.0	-
8:53	-	0.0	8:53	0.0	0.0	-
8:54	-	0.0	8:54	0.0	0.0	-
8:55	-	0.0	8:55	0.0	0.0	-
8:56	-	0.0	8:56	0.0	0.0	-
8:57	-	0.0	8:57	0.0	0.0	-
8:58	-	0.0	8:58	0.0	0.0	-
8:59	-	0.0	8:59	0.0	0.0	-
9:00	-	0.0	9:00	0.0	0.0	-
9:01	-	0.0	9:01	0.0	0.0	-
9:02	-	0.0	9:02	0.0	0.0	-
9:03	-	0.0	9:03	0.0	0.0	-
9:04	-	0.0	9:04	0.0	0.0	-
9:05	-	0.0	9:05	0.0	0.0	-
9:06	-	0.0	9:06	0.0	0.0	-
9:07	-	0.0	9:07	0.0	0.0	-
9:08	-	0.0	9:08	0.0	0.0	-
9:09	-	0.0	9:09	0.0	0.0	-
9:10	-	0.0	9:10	0.0	0.0	-
9:11	-	0.0	9:11	0.0	0.0	-
9:12	-	0.0	9:12	0.0	0.0	-
9:13	-	0.0	9:13	0.0	0.0	-
9:14	-	0.0	9:14	0.0	0.0	-
9:15	-	0.0	9:15	0.0	0.0	-
9:16	-	0.0	9:16	0.0	0.0	-
9:17	-	0.0	9:17	0.0	0.0	-
9:18	-	0.0	9:18	0.0	0.0	-
9:19	-	0.0	9:19	0.0	0.0	-
9:20	-	0.0	9:20	0.0	0.0	-
9:21	-	0.0	9:21	0.0	0.0	-
9:22	-	0.0	9:22	0.0	0.0	-
9:23	-	0.0	9:23	0.0	0.0	-
9:24	-	0.0	9:24	0.0	0.0	-
9:25	-	0.0	9:25	0.0	0.0	-
9:26	-	0.0	9:26	0.0	0.0	-
9:27	-	0.0	9:27	0.0	0.0	-
9:28	-	0.0	9:28	0.0	0.0	-
9:29	-	0.0	9:29	0.0	0.0	-
9:30	-	0.0	9:30	0.0	0.0	-
9:31	-	0.0	9:31	0.0	0.0	-
9:32	-	0.0	9:32	0.0	0.0	-
9:33	-	0.0	9:33	0.0	0.0	-
9:34	-	0.0	9:34	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:35	-	0.0	9:35	0.0	0.0	-
9:36	-	0.0	9:36	0.0	0.0	-
9:37	-	0.0	9:37	0.0	0.0	-
9:38	-	0.0	9:38	0.0	0.0	-
9:39	-	0.0	9:39	0.0	0.0	-
9:40	-	0.0	9:40	0.0	0.0	-
9:41	-	0.0	9:41	0.0	0.0	-
9:42	-	0.0	9:42	0.0	0.0	-
9:43	-	0.0	9:43	0.0	0.0	-
9:44	-	0.0	9:44	0.0	0.0	-
9:45	-	0.0	9:45	0.0	0.0	-
9:46	-	0.0	9:46	0.0	0.0	-
9:47	-	0.0	9:47	0.0	0.0	-
9:48	-	0.0	9:48	0.0	0.0	-
9:49	-	0.0	9:49	0.0	0.0	-
9:50	-	0.0	9:50	0.0	0.0	-
9:51	-	0.0	9:51	0.0	0.0	-
9:52	-	0.0	9:52	0.0	0.0	-
9:53	-	0.0	9:53	0.0	0.0	-
9:54	-	0.0	9:54	0.0	0.0	-
9:55	-	0.0	9:55	0.0	0.0	-
9:56	-	0.0	9:56	0.0	0.0	-
9:57	-	0.0	9:57	0.0	0.0	-
9:58	-	0.0	9:58	0.0	0.0	-
9:59	-	0.0	9:59	0.0	0.0	-
10:00	-	0.0	10:00	0.0	0.0	-
10:01	-	0.0	10:01	0.0	0.0	-
10:02	-	0.0	10:02	0.0	0.0	-
10:03	-	0.0	10:03	0.0	0.0	-
10:04	-	0.0	10:04	0.0	0.0	-
10:05	-	0.0	10:05	0.0	0.0	-
10:06	-	0.0	10:06	0.0	0.0	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.0	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.0	0.0	-
10:27	-	0.0	10:27	0.0	0.0	-
10:28	-	0.0	10:28	0.0	0.0	-
10:29	-	0.0	10:29	0.0	0.0	-
10:30	-	0.0	10:30	0.0	0.0	-
10:31	-	0.0	10:31	0.0	0.0	-
10:32	-	0.0	10:32	0.0	0.0	-
10:33	-	0.0	10:33	0.0	0.0	-
10:34	-	0.0	10:34	0.0	0.0	-
10:35	-	0.0	10:35	0.0	0.0	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-
12:00	-	0.0	12:00	0.0	0.0	-
12:01	-	0.0	12:01	0.0	0.0	-
12:02	-	0.0	12:02	0.0	0.0	-
12:03	-	0.0	12:03	0.0	0.0	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.0	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/21/2023
Start: 7:56 AM
End: 10:55 AM
Observer: Jack Frey

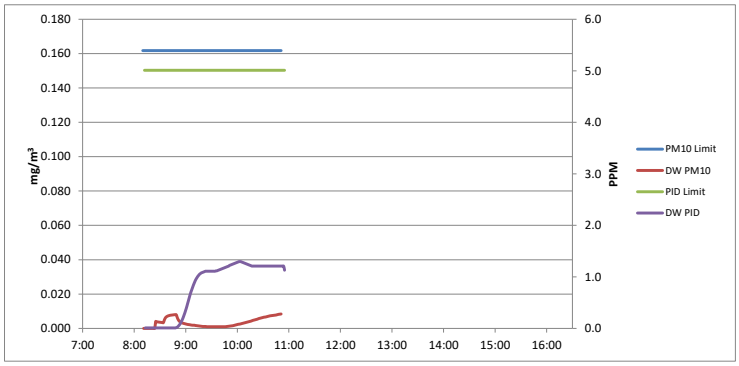
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0118	0.0010
Maximum 15min Average	0.0118	0.0084
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0050	0.0010
Maximum 1min Reading	0.0060	0.0250

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.000	0.850
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	1.2867
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.000	1.300

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Tuesday, March 21, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						147
170635401						7:56
End Time:						10:51
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
7:56	0.037		7:56			
7:57	0.022		7:57			
7:58	0.014		7:58			
7:59	0.011		7:59			
8:00	0.009		8:00			
8:01	0.009		8:01			
8:02	0.008		8:02			
8:03	0.007		8:03			
8:04	0.007		8:04			
8:05	0.006		8:05			
8:06	0.006		8:06			
8:07	0.005		8:07			
8:08	0.005		8:08			
8:09	0.005		8:09			
8:10	0.005	0.012	8:10			
8:11		0.012	8:11	0.005	-	
8:12	-	0.012	8:12	0.005	-	
8:13	-	0.012	8:13	0.004	-	
8:14	-	0.012	8:14	0.004	-	
8:15	-	0.012	8:15	0.004	-	
8:16	-	0.012	8:16	0.004	-	
8:17	-	0.012	8:17	0.004	-	
8:18	-	0.012	8:18	0.004	-	
8:19	-	0.012	8:19	0.004	-	
8:20	-	0.012	8:20	0.004	-	
8:21	-	0.012	8:21	0.004	-	
8:22	-	0.012	8:22	0.004	-	
8:23	-	0.012	8:23	0.004	-	
8:24	-	0.012	8:24	0.004	-	
8:25	-	0.012	8:25	0.003	0.004	-
8:26	-	0.012	8:26	0.003	0.004	-
8:27	-	0.012	8:27	0.003	0.004	-
8:28	-	0.012	8:28	0.003	0.004	-
8:29	-	0.012	8:29	0.003	0.004	-
8:30	-	0.012	8:30	0.003	0.004	-
8:31	-	0.012	8:31	0.003	0.004	-
8:32	-	0.012	8:32	0.003	0.003	-
8:33	-	0.012	8:33	0.003	0.003	-
8:34	-	0.012	8:34	0.003	0.003	-
8:35	-	0.012	8:35	0.025	0.005	-
8:36	-	0.012	8:36	0.021	0.006	-
8:37	-	0.012	8:37	0.014	0.007	-
8:38	-	0.012	8:38	0.01	0.007	-
8:39	-	0.012	8:39	0.008	0.007	-
8:40	-	0.012	8:40	0.006	0.007	-
8:41	-	0.012	8:41	0.005	0.008	-
8:42	-	0.012	8:42	0.005	0.008	-
8:43	-	0.012	8:43	0.004	0.008	-
8:44	-	0.012	8:44	0.004	0.008	-
8:45	-	0.012	8:45	0.004	0.008	-
8:46	-	0.012	8:46	0.004	0.008	-
8:47	-	0.012	8:47	0.004	0.008	-
8:48	-	0.012	8:48	0.003	0.008	-
8:49	-	0.012	8:49	0.003	0.008	-
8:50	-	0.012	8:50	0.003	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:51	-	0.012	8:51	0.003	0.005	-
8:52	-	0.012	8:52	0.002	0.005	-
8:53	-	0.012	8:53	0.002	0.004	-
8:54	-	0.012	8:54	0.002	0.004	-
8:55	-	0.012	8:55	0.002	0.003	-
8:56	-	0.012	8:56	0.003	0.003	-
8:57	-	0.012	8:57	0.002	0.003	-
8:58	-	0.012	8:58	0.002	0.003	-
8:59	-	0.012	8:59	0.002	0.003	-
9:00	-	0.012	9:00	0.002	0.003	-
9:01	-	0.012	9:01	0.002	0.002	-
9:02	-	0.012	9:02	0.002	0.002	-
9:03	-	0.012	9:03	0.002	0.002	-
9:04	-	0.012	9:04	0.002	0.002	-
9:05	-	0.012	9:05	0.002	0.002	-
9:06	-	0.012	9:06	0.001	0.002	-
9:07	-	0.012	9:07	0.001	0.002	-
9:08	-	0.012	9:08	0.001	0.002	-
9:09	-	0.012	9:09	0.002	0.002	-
9:10	-	0.012	9:10	0.002	0.002	-
9:11	-	0.012	9:11	0.001	0.002	-
9:12	-	0.012	9:12	0.001	0.002	-
9:13	-	0.012	9:13	0.001	0.002	-
9:14	-	0.012	9:14	0.001	0.002	-
9:15	-	0.012	9:15	0.001	0.001	-
9:16	-	0.012	9:16	0.001	0.001	-
9:17	-	0.012	9:17	0.001	0.001	-
9:18	-	0.012	9:18	0.001	0.001	-
9:19	-	0.012	9:19	0.001	0.001	-
9:20	-	0.012	9:20	0.001	0.001	-
9:21	-	0.012	9:21	0.001	0.001	-
9:22	-	0.012	9:22	0.001	0.001	-
9:23	-	0.012	9:23	0.001	0.001	-
9:24	-	0.012	9:24	0.001	0.001	-
9:25	-	0.012	9:25	0.001	0.001	-
9:26	-	0.012	9:26	0.001	0.001	-
9:27	-	0.012	9:27	0.001	0.001	-
9:28	-	0.012	9:28	0.001	0.001	-
9:29	-	0.012	9:29	0.001	0.001	-
9:30	-	0.012	9:30	0.001	0.001	-
9:31	-	0.012	9:31	0.001	0.001	-
9:32	-	0.012	9:32	0.001	0.001	-
9:33	-	0.012	9:33	0.001	0.001	-
9:34	-	0.012	9:34	0.001	0.001	-
9:35	-	0.012	9:35	0.001	0.001	-
9:36	-	0.012	9:36	0.001	0.001	-
9:37	-	0.012	9:37	0.001	0.001	-
9:38	-	0.012	9:38	0.001	0.001	-
9:39	-	0.012	9:39	0.001	0.001	-
9:40	-	0.012	9:40	0.001	0.001	-
9:41	-	0.012	9:41	0.001	0.001	-
9:42	-	0.012	9:42	0.001	0.001	-
9:43	-	0.012	9:43	0.001	0.001	-
9:44	-	0.012	9:44	0.001	0.001	-
9:45	-	0.012	9:45	0.001	0.001	-
9:46	-	0.012	9:46	0.001	0.001	-
9:47	-	0.012	9:47	0.002	0.001	-
9:48	-	0.012	9:48	0.002	0.001	-
9:49	-	0.012	9:49	0.002	0.001	-
9:50	-	0.012	9:50	0.002	0.001	-
9:51	-	0.012	9:51	0.002	0.001	-
9:52	-	0.012	9:52	0.002	0.001	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:53	-	0.012	9:53	0.002	0.001	-
9:54	-	0.012	9:54	0.002	0.002	-
9:55	-	0.012	9:55	0.002	0.002	-
9:56	-	0.012	9:56	0.003	0.002	-
9:57	-	0.012	9:57	0.003	0.002	-
9:58	-	0.012	9:58	0.003	0.002	-
9:59	-	0.012	9:59	0.003	0.002	-
10:00	-	0.012	10:00	0.003	0.002	-
10:01	-	0.012	10:01	0.003	0.002	-
10:02	-	0.012	10:02	0.003	0.002	-
10:03	-	0.012	10:03	0.003	0.003	-
10:04	-	0.012	10:04	0.004	0.003	-
10:05	-	0.012	10:05	0.004	0.003	-
10:06	-	0.012	10:06	0.004	0.003	-
10:07	-	0.012	10:07	0.004	0.003	-
10:08	-	0.012	10:08	0.004	0.003	-
10:09	-	0.012	10:09	0.004	0.003	-
10:10	-	0.012	10:10	0.004	0.003	-
10:11	-	0.012	10:11	0.005	0.004	-
10:12	-	0.012	10:12	0.005	0.004	-
10:13	-	0.012	10:13	0.005	0.004	-
10:14	-	0.012	10:14	0.005	0.004	-
10:15	-	0.012	10:15	0.005	0.004	-
10:16	-	0.012	10:16	0.005	0.004	-
10:17	-	0.012	10:17	0.006	0.004	-
10:18	-	0.012	10:18	0.006	0.005	-
10:19	-	0.012	10:19	0.006	0.005	-
10:20	-	0.012	10:20	0.006	0.005	-
10:21	-	0.012	10:21	0.006	0.005	-
10:22	-	0.012	10:22	0.006	0.005	-
10:23	-	0.012	10:23	0.006	0.005	-
10:24	-	0.012	10:24	0.007	0.006	-
10:25	-	0.012	10:25	0.007	0.006	-
10:26	-	0.012	10:26	0.007	0.006	-
10:27	-	0.012	10:27	0.007	0.006	-
10:28	-	0.012	10:28	0.007	0.006	-
10:29	-	0.012	10:29	0.007	0.006	-
10:30	-	0.012	10:30	0.007	0.006	-
10:31	-	0.012	10:31	0.007	0.007	-
10:32	-	0.012	10:32	0.007	0.007	-
10:33	-	0.012	10:33	0.007	0.007	-
10:34	-	0.012	10:34	0.008	0.007	-
10:35	-	0.012	10:35	0.008	0.007	-
10:36	-	0.012	10:36	0.008	0.007	-
10:37	-	0.012	10:37	0.008	0.007	-
10:38	-	0.012	10:38	0.008	0.007	-
10:39	-	0.012	10:39	0.008	0.007	-
10:40	-	0.012	10:40	0.008	0.007	-
10:41	-	0.012	10:41	0.008	0.008	-
10:42	-	0.012	10:42	0.008	0.008	-
10:43	-	0.012	10:43	0.008	0.008	-
10:44	-	0.012	10:44	0.008	0.008	-
10:45	-	0.012	10:45	0.008	0.008	-
10:46	-	0.012	10:46	0.009	0.008	-
10:47	-	0.012	10:47	0.009	0.008	-
10:48	-	0.012	10:48	0.009	0.008	-
10:49	-	0.012	10:49	0.009	0.008	-
10:50	-	0.012	10:50	0.009	0.008	-
10:51	-	0.012	10:51	0.009	0.008	-

Tuesday, March 21, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						163
170635401						7:58
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:58	0.0		7:58			
7:59	0.0		7:59			
8:00	0.0		8:00			
8:01	0.0		8:01			
8:02	0.0		8:02			
8:03	0.0		8:03			
8:04	0.0		8:04			
8:05	0.0		8:05			
8:06	0.0		8:06			
8:07	0.0		8:07			
8:08	0.0		8:08			
8:09	0.0		8:09			
8:10	0.0		8:10			
8:11	0.0		8:11			
8:12	0.0	0.0	8:12			
8:13	-	0.0	8:13	0.0	-	-
8:14	-	0.0	8:14	0.0	-	-
8:15	-	0.0	8:15	0.0	-	-
8:16	-	0.0	8:16	0.0	-	-
8:17	-	0.0	8:17	0.0	-	-
8:18	-	0.0	8:18	0.0	-	-
8:19	-	0.0	8:19	0.0	-	-
8:20	-	0.0	8:20	0.0	-	-
8:21	-	0.0	8:21	0.0	-	-
8:22	-	0.0	8:22	0.0	-	-
8:23	-	0.0	8:23	0.0	-	-
8:24	-	0.0	8:24	0.0	-	-
8:25	-	0.0	8:25	0.0	-	-
8:26	-	0.0	8:26	0.0	-	-
8:27	-	0.0	8:27	0.0	0.0	-
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.1	0.0	-
8:50	-	0.0	8:50	0.1	0.0	-
8:51	-	0.0	8:51	0.2	0.0	-
8:52	-	0.0	8:52	0.3	0.0	-
8:53	-	0.0	8:53	0.3	0.1	-
8:54	-	0.0	8:54	0.4	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:55	-	0.0	8:55	0.5	0.1	-
8:56	-	0.0	8:56	0.5	0.2	-
8:57	-	0.0	8:57	0.6	0.2	-
8:58	-	0.0	8:58	0.7	0.2	-
8:59	-	0.0	8:59	0.7	0.3	-
9:00	-	0.0	9:00	0.8	0.3	-
9:01	-	0.0	9:01	0.8	0.4	-
9:02	-	0.0	9:02	0.9	0.5	-
9:03	-	0.0	9:03	0.9	0.5	-
9:04	-	0.0	9:04	1.0	0.6	-
9:05	-	0.0	9:05	1.0	0.6	-
9:06	-	0.0	9:06	1.0	0.7	-
9:07	-	0.0	9:07	1.0	0.7	-
9:08	-	0.0	9:08	1.0	0.8	-
9:09	-	0.0	9:09	1.1	0.8	-
9:10	-	0.0	9:10	1.1	0.9	-
9:11	-	0.0	9:11	1.1	0.9	-
9:12	-	0.0	9:12	1.1	0.9	-
9:13	-	0.0	9:13	1.1	1.0	-
9:14	-	0.0	9:14	1.1	1.0	-
9:15	-	0.0	9:15	1.1	1.0	-
9:16	-	0.0	9:16	1.1	1.0	-
9:17	-	0.0	9:17	1.1	1.1	-
9:18	-	0.0	9:18	1.1	1.1	-
9:19	-	0.0	9:19	1.1	1.1	-
9:20	-	0.0	9:20	1.1	1.1	-
9:21	-	0.0	9:21	1.1	1.1	-
9:22	-	0.0	9:22	1.1	1.1	-
9:23	-	0.0	9:23	1.1	1.1	-
9:24	-	0.0	9:24	1.1	1.1	-
9:25	-	0.0	9:25	1.1	1.1	-
9:26	-	0.0	9:26	1.1	1.1	-
9:27	-	0.0	9:27	1.1	1.1	-
9:28	-	0.0	9:28	1.1	1.1	-
9:29	-	0.0	9:29	1.1	1.1	-
9:30	-	0.0	9:30	1.1	1.1	-
9:31	-	0.0	9:31	1.1	1.1	-
9:32	-	0.0	9:32	1.1	1.1	-
9:33	-	0.0	9:33	1.1	1.1	-
9:34	-	0.0	9:34	1.1	1.1	-
9:35	-	0.0	9:35	1.2	1.1	-
9:36	-	0.0	9:36	1.1	1.1	-
9:37	-	0.0	9:37	1.2	1.1	-
9:38	-	0.0	9:38	1.2	1.1	-
9:39	-	0.0	9:39	1.2	1.1	-
9:40	-	0.0	9:40	1.2	1.1	-
9:41	-	0.0	9:41	1.2	1.1	-
9:42	-	0.0	9:42	1.2	1.1	-
9:43	-	0.0	9:43	1.2	1.2	-
9:44	-	0.0	9:44	1.2	1.2	-
9:45	-	0.0	9:45	1.2	1.2	-
9:46	-	0.0	9:46	1.2	1.2	-
9:47	-	0.0	9:47	1.2	1.2	-
9:48	-	0.0	9:48	1.2	1.2	-
9:49	-	0.0	9:49	1.2	1.2	-
9:50	-	0.0	9:50	1.3	1.2	-
9:51	-	0.0	9:51	1.3	1.2	-
9:52	-	0.0	9:52	1.3	1.2	-
9:53	-	0.0	9:53	1.3	1.2	-
9:54	-	0.0	9:54	1.3	1.2	-
9:55	-	0.0	9:55	1.3	1.2	-
9:56	-	0.0	9:56	1.3	1.2	-
9:57	-	0.0	9:57	1.3	1.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:58	-	0.0	9:58	1.3	1.3	-
9:59	-	0.0	9:59	1.3	1.3	-
10:00	-	0.0	10:00	1.3	1.3	-
10:01	-	0.0	10:01	1.3	1.3	-
10:02	-	0.0	10:02	1.3	1.3	-
10:03	-	0.0	10:03	1.2	1.3	-
10:04	-	0.0	10:04	1.2	1.3	-
10:05	-	0.0	10:05	1.2	1.3	-
10:06	-	0.0	10:06	1.2	1.3	-
10:07	-	0.0	10:07	1.2	1.3	-
10:08	-	0.0	10:08	1.2	1.3	-
10:09	-	0.0	10:09	1.2	1.3	-
10:10	-	0.0	10:10	1.2	1.2	-
10:11	-	0.0	10:11	1.2	1.2	-
10:12	-	0.0	10:12	1.2	1.2	-
10:13	-	0.0	10:13	1.2	1.2	-
10:14	-	0.0	10:14	1.2	1.2	-
10:15	-	0.0	10:15	1.2	1.2	-
10:16	-	0.0	10:16	1.2	1.2	-
10:17	-	0.0	10:17	1.2	1.2	-
10:18	-	0.0	10:18	1.2	1.2	-
10:19	-	0.0	10:19	1.2	1.2	-
10:20	-	0.0	10:20	1.2	1.2	-
10:21	-	0.0	10:21	1.2	1.2	-
10:22	-	0.0	10:22	1.2	1.2	-
10:23	-	0.0	10:23	1.2	1.2	-
10:24	-	0.0	10:24	1.2	1.2	-
10:25	-	0.0	10:25	1.2	1.2	-
10:26	-	0.0	10:26	1.2	1.2	-
10:27	-	0.0	10:27	1.2	1.2	-
10:28	-	0.0	10:28	1.2	1.2	-
10:29	-	0.0	10:29	1.2	1.2	-
10:30	-	0.0	10:30	1.2	1.2	-
10:31	-	0.0	10:31	1.2	1.2	-
10:32	-	0.0	10:32	1.2	1.2	-
10:33	-	0.0	10:33	1.2	1.2	-
10:34	-	0.0	10:34	1.2	1.2	-
10:35	-	0.0	10:35	1.2	1.2	-
10:36	-	0.0	10:36	1.2	1.2	-
10:37	-	0.0	10:37	1.2	1.2	-
10:38	-	0.0	10:38	1.2	1.2	-
10:39	-	0.0	10:39	1.2	1.2	-
10:40	-	0.0	10:40	1.2	1.2	-
10:41	-	0.0	10:41	1.2	1.2	-
10:42	-	0.0	10:42	1.2	1.2	-
10:43	-	0.0	10:43	1.2	1.2	-
10:44	-	0.0	10:44	1.2	1.2	-
10:45	-	0.0	10:45	1.2	1.2	-
10:46	-	0.0	10:46	1.2	1.2	-
10:47	-	0.0	10:47	1.2	1.2	-
10:48	-	0.0	10:48	1.2	1.2	-
10:49	-	0.0	10:49	1.2	1.2	-
10:50	-	0.0	10:50	1.2	1.2	-
10:51	-	0.0	10:51	1.2	1.2	-
10:52	-	0.0	10:52	1.2	1.2	-
10:53	-	0.0	10:53	1.2	1.2	-
10:54	-	0.0	10:54	1.2	1.2	-
10:55	-	0.0	10:55	0.0	1.1	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 4/2/2023
Start: 9:44 AM
End: 1:18 PM
Observer: Seyena Simpson

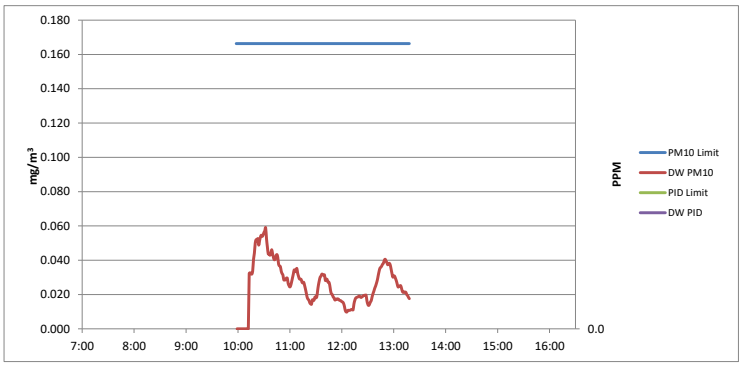
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0163	0.0099
Maximum 15min Average	0.0163	0.0589
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0140	0.0060
Maximum 1min Reading	0.0230	0.1200

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	#DIV/0!	#DIV/0!
Minimum 15min Average	0.0000	0.0000
Maximum 15min Average	0.0000	0.0000
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	#DIV/0!	0.000

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Tuesday, March 21, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						186
170635401						9:44
End Time:						13:18
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:44	0.012		9:44			
9:45	0.011		9:45			
9:46	0.012		9:46			
9:47	0.019		9:47			
9:48	0.015		9:48			
9:49	0.017		9:49			
9:50	0.023		9:50			
9:51	0.016		9:51			
9:52	0.015		9:52			
9:53	0.017		9:53			
9:54	0.02		9:54			
9:55	0.015		9:55			
9:56	0.014		9:56			
9:57	0.023		9:57			
9:58	0.016	0.016	9:58			
9:59		0.016	9:59	0.016	-	
10:00	-	0.016	10:00	0.013	-	
10:01	-	0.016	10:01	0.025	-	
10:02	-	0.016	10:02	0.022	-	
10:03	-	0.016	10:03	0.015	-	
10:04	-	0.016	10:04	0.034	-	
10:05	-	0.016	10:05	0.022	-	
10:06	-	0.016	10:06	0.033	-	
10:07	-	0.016	10:07	0.05	-	
10:08	-	0.016	10:08	0.018	-	
10:09	-	0.016	10:09	0.084	-	
10:10	-	0.016	10:10	0.036	-	
10:11	-	0.016	10:11	0.025	-	
10:12	-	0.016	10:12	0.029	-	
10:13	-	0.016	10:13	0.063	0.032	-
10:14	-	0.016	10:14	0.021	0.033	-
10:15	-	0.016	10:15	0.007	0.032	-
10:16	-	0.016	10:16	0.019	0.032	-
10:17	-	0.016	10:17	0.047	0.034	-
10:18	-	0.016	10:18	0.12	0.041	-
10:19	-	0.016	10:19	0.088	0.044	-
10:20	-	0.016	10:20	0.111	0.050	-
10:21	-	0.016	10:21	0.062	0.052	-
10:22	-	0.016	10:22	0.044	0.052	-
10:23	-	0.016	10:23	0.032	0.053	-
10:24	-	0.016	10:24	0.028	0.049	-
10:25	-	0.016	10:25	0.076	0.051	-
10:26	-	0.016	10:26	0.056	0.054	-
10:27	-	0.016	10:27	0.045	0.055	-
10:28	-	0.016	10:28	0.052	0.054	-
10:29	-	0.016	10:29	0.033	0.055	-
10:30	-	0.016	10:30	0.029	0.056	-
10:31	-	0.016	10:31	0.034	0.057	-
10:32	-	0.016	10:32	0.074	0.059	-
10:33	-	0.016	10:33	0.023	0.052	-
10:34	-	0.016	10:34	0.018	0.048	-
10:35	-	0.016	10:35	0.049	0.044	-
10:36	-	0.016	10:36	0.062	0.044	-
10:37	-	0.016	10:37	0.032	0.043	-
10:38	-	0.016	10:38	0.049	0.044	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:39	-	0.016	10:39	0.06	0.046	-
10:40	-	0.016	10:40	0.041	0.044	-
10:41	-	0.016	10:41	0.024	0.042	-
10:42	-	0.016	10:42	0.024	0.040	-
10:43	-	0.016	10:43	0.06	0.041	-
10:44	-	0.016	10:44	0.058	0.042	-
10:45	-	0.016	10:45	0.042	0.043	-
10:46	-	0.016	10:46	0.009	0.042	-
10:47	-	0.016	10:47	0.013	0.038	-
10:48	-	0.016	10:48	0.009	0.037	-
10:49	-	0.016	10:49	0.013	0.036	-
10:50	-	0.016	10:50	0.009	0.034	-
10:51	-	0.016	10:51	0.04	0.032	-
10:52	-	0.016	10:52	0.019	0.031	-
10:53	-	0.016	10:53	0.006	0.028	-
10:54	-	0.016	10:54	0.062	0.029	-
10:55	-	0.016	10:55	0.041	0.029	-
10:56	-	0.016	10:56	0.039	0.030	-
10:57	-	0.016	10:57	0.023	0.030	-
10:58	-	0.016	10:58	0.014	0.026	-
10:59	-	0.016	10:59	0.039	0.025	-
11:00	-	0.016	11:00	0.03	0.024	-
11:01	-	0.016	11:01	0.023	0.025	-
11:02	-	0.016	11:02	0.044	0.027	-
11:03	-	0.016	11:03	0.043	0.030	-
11:04	-	0.016	11:04	0.048	0.032	-
11:05	-	0.016	11:05	0.045	0.034	-
11:06	-	0.016	11:06	0.027	0.034	-
11:07	-	0.016	11:07	0.017	0.033	-
11:08	-	0.016	11:08	0.034	0.035	-
11:09	-	0.016	11:09	0.019	0.032	-
11:10	-	0.016	11:10	0.014	0.031	-
11:11	-	0.016	11:11	0.017	0.029	-
11:12	-	0.016	11:12	0.02	0.029	-
11:13	-	0.016	11:13	0.013	0.029	-
11:14	-	0.016	11:14	0.014	0.027	-
11:15	-	0.016	11:15	0.023	0.027	-
11:16	-	0.016	11:16	0.029	0.027	-
11:17	-	0.016	11:17	0.016	0.025	-
11:18	-	0.016	11:18	0.012	0.023	-
11:19	-	0.016	11:19	0.011	0.021	-
11:20	-	0.016	11:20	0.009	0.018	-
11:21	-	0.016	11:21	0.011	0.017	-
11:22	-	0.016	11:22	0.008	0.017	-
11:23	-	0.016	11:23	0.012	0.015	-
11:24	-	0.016	11:24	0.009	0.015	-
11:25	-	0.016	11:25	0.011	0.014	-
11:26	-	0.016	11:26	0.056	0.017	-
11:27	-	0.016	11:27	0.012	0.016	-
11:28	-	0.016	11:28	0.02	0.017	-
11:29	-	0.016	11:29	0.04	0.019	-
11:30	-	0.016	11:30	0.015	0.018	-
11:31	-	0.016	11:31	0.035	0.018	-
11:32	-	0.016	11:32	0.07	0.022	-
11:33	-	0.016	11:33	0.064	0.026	-
11:34	-	0.016	11:34	0.049	0.028	-
11:35	-	0.016	11:35	0.04	0.030	-
11:36	-	0.016	11:36	0.02	0.031	-
11:37	-	0.016	11:37	0.026	0.032	-
11:38	-	0.016	11:38	0.007	0.032	-
11:39	-	0.016	11:39	0.007	0.031	-
11:40	-	0.016	11:40	0.011	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:41	-	0.016	11:41	0.007	0.028	-
11:42	-	0.016	11:42	0.023	0.029	-
11:43	-	0.016	11:43	0.018	0.029	-
11:44	-	0.016	11:44	0.016	0.027	-
11:45	-	0.016	11:45	0.016	0.027	-
11:46	-	0.016	11:46	0.01	0.026	-
11:47	-	0.016	11:47	0.021	0.022	-
11:48	-	0.016	11:48	0.035	0.020	-
11:49	-	0.016	11:49	0.043	0.020	-
11:50	-	0.016	11:50	0.019	0.019	-
11:51	-	0.016	11:51	0.012	0.018	-
11:52	-	0.016	11:52	0.007	0.017	-
11:53	-	0.016	11:53	0.011	0.017	-
11:54	-	0.016	11:54	0.013	0.017	-
11:55	-	0.016	11:55	0.008	0.017	-
11:56	-	0.016	11:56	0.009	0.017	-
11:57	-	0.016	11:57	0.013	0.017	-
11:58	-	0.016	11:58	0.015	0.017	-
11:59	-	0.016	11:59	0.013	0.016	-
12:00	-	0.016	12:00	0.008	0.016	-
12:01	-	0.016	12:01	0.007	0.016	-
12:02	-	0.016	12:02	0.01	0.015	-
12:03	-	0.016	12:03	0.009	0.013	-
12:04	-	0.016	12:04	0.007	0.011	-
12:05	-	0.016	12:05	0.006	0.010	-
12:06	-	0.016	12:06	0.012	0.010	-
12:07	-	0.016	12:07	0.021	0.011	-
12:08	-	0.016	12:08	0.01	0.011	-
12:09	-	0.016	12:09	0.014	0.011	-
12:10	-	0.016	12:10	0.01	0.011	-
12:11	-	0.016	12:11	0.014	0.011	-
12:12	-	0.016	12:12	0.012	0.011	-
12:13	-	0.016	12:13	0.012	0.011	-
12:14	-	0.016	12:14	0.065	0.014	-
12:15	-	0.016	12:15	0.039	0.017	-
12:16	-	0.016	12:16	0.027	0.018	-
12:17	-	0.016	12:17	0.016	0.018	-
12:18	-	0.016	12:18	0.012	0.018	-
12:19	-	0.016	12:19	0.011	0.019	-
12:20	-	0.016	12:20	0.012	0.019	-
12:21	-	0.016	12:21	0.007	0.019	-
12:22	-	0.016	12:22	0.013	0.018	-
12:23	-	0.016	12:23	0.014	0.019	-
12:24	-	0.016	12:24	0.019	0.019	-
12:25	-	0.016	12:25	0.017	0.019	-
12:26	-	0.016	12:26	0.017	0.020	-
12:27	-	0.016	12:27	0.012	0.020	-
12:28	-	0.016	12:28	0.014	0.020	-
12:29	-	0.016	12:29	0.016	0.016	-
12:30	-	0.016	12:30	0.009	0.014	-
12:31	-	0.016	12:31	0.015	0.014	-
12:32	-	0.016	12:32	0.027	0.014	-
12:33	-	0.016	12:33	0.031	0.016	-
12:34	-	0.016	12:34	0.024	0.016	-
12:35	-	0.016	12:35	0.044	0.019	-
12:36	-	0.016	12:36	0.035	0.020	-
12:37	-	0.016	12:37	0.034	0.022	-
12:38	-	0.016	12:38	0.04	0.024	-
12:39	-	0.016	12:39	0.038	0.025	-
12:40	-	0.016	12:40	0.042	0.027	-
12:41	-	0.016	12:41	0.044	0.028	-
12:42	-	0.016	12:42	0.05	0.031	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:43	-	0.016	12:43	0.051	0.033	-
12:44	-	0.016	12:44	0.045	0.035	-
12:45	-	0.016	12:45	0.018	0.036	-
12:46	-	0.016	12:46	0.025	0.037	-
12:47	-	0.016	12:47	0.043	0.038	-
12:48	-	0.016	12:48	0.04	0.038	-
12:49	-	0.016	12:49	0.047	0.040	-
12:50	-	0.016	12:50	0.057	0.041	-
12:51	-	0.016	12:51	0.022	0.040	-
12:52	-	0.016	12:52	0.019	0.039	-
12:53	-	0.016	12:53	0.019	0.037	-
12:54	-	0.016	12:54	0.048	0.038	-
12:55	-	0.016	12:55	0.045	0.038	-
12:56	-	0.016	12:56	0.028	0.037	-
12:57	-	0.016	12:57	0.014	0.035	-
12:58	-	0.016	12:58	0.012	0.032	-
12:59	-	0.016	12:59	0.015	0.030	-
13:00	-	0.016	13:00	0.03	0.031	-
13:01	-	0.016	13:01	0.021	0.031	-
13:02	-	0.016	13:02	0.024	0.029	-
13:03	-	0.016	13:03	0.019	0.028	-
13:04	-	0.016	13:04	0.019	0.026	-
13:05	-	0.016	13:05	0.031	0.024	-
13:06	-	0.016	13:06	0.028	0.025	-
13:07	-	0.016	13:07	0.019	0.025	-
13:08	-	0.016	13:08	0.025	0.025	-
13:09	-	0.016	13:09	0.024	0.024	-
13:10	-	0.016	13:10	0.018	0.022	-
13:11	-	0.016	13:11	0.019	0.021	-
13:12	-	0.016	13:12	0.019	0.022	-
13:13	-	0.016	13:13	0.01	0.021	-
13:14	-	0.016	13:14	0.014	0.021	-
13:15	-	0.016	13:15	0.01	0.020	-
13:16	-	0.016	13:16	0.012	0.019	-
13:17	-	0.016	13:17	0.009	0.018	-
13:18	-	0.016	13:18	0.007	0.018	-

LANGAN

691 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 4/17/2023
Start: 10:07 AM
End: 11:59 AM
Observer: Jack Frey

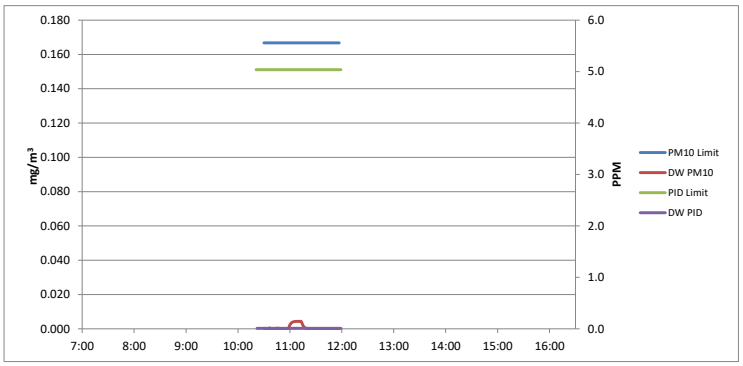
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.0168	0.0000
Maximum 15min Average	0.0168	0.0043
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.0010	0.0000
Maximum 1min Reading	0.0040	0.0190

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.027	0.001
Minimum 15min Average	0.0267	0.0000
Maximum 15min Average	0.0267	0.0067
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.000	0.000
Maximum 1min Reading	0.027	0.100

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Monday, April 17, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						73
170635401						10:16
End Time:						11:57
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45033.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:16	0.054		10:16			
10:17	0.036		10:17			
10:18	0.027		10:18			
10:19	0.021		10:19			
10:20	0.017		10:20			
10:21	0.013		10:21			
10:22	0.01		10:22			
10:23	0.008		10:23			
10:24	0.005		10:24			
10:25	0.004		10:25			
10:26	0.003		10:26			
10:27	0.003		10:27			
10:28	0.002		10:28			
10:29	0.002		10:29			
10:30	0.001	0.017	10:30			
10:31		0.017	10:31	0.001	-	
10:32	-	0.017	10:32	0.001	-	
10:33	-	0.017	10:33	0.000	-	
10:34	-	0.017	10:34	0.001	-	
10:35	-	0.017	10:35	0.001	-	
10:36	-	0.017	10:36	0.001	-	
10:37	-	0.017	10:37	0.001	-	
10:38	-	0.017	10:38	0.000	-	
10:39	-	0.017	10:39	0.000	-	
10:40	-	0.017	10:40	0.000	-	
10:41	-	0.017	10:41	0.000	-	
10:42	-	0.017	10:42	0.000	-	
10:43	-	0.017	10:43	0.000	-	
10:44	-	0.017	10:44	0.000	-	
10:45	-	0.017	10:45	0.000	0.000	-
10:46	-	0.017	10:46	0.000	0.000	-
10:47	-	0.017	10:47	0.000	0.000	-
10:48	-	0.017	10:48	0.000	0.000	-
10:49	-	0.017	10:49	0.000	0.000	-
10:50	-	0.017	10:50	0.000	0.000	-
10:51	-	0.017	10:51	0.000	0.000	-
10:52	-	0.017	10:52	0.000	0.000	-
10:53	-	0.017	10:53	0.000	0.000	-
10:54	-	0.017	10:54	0.000	0.000	-
10:55	-	0.017	10:55	0.000	0.000	-
10:56	-	0.017	10:56	0.000	0.000	-
10:57	-	0.017	10:57	0.000	0.000	-
10:58	-	0.017	10:58	0.000	0.000	-
10:59	-	0.017	10:59	0.015	0.001	-
11:00	-	0.017	11:00	0.019	0.002	-
11:01	-	0.017	11:01	0.011	0.003	-
11:02	-	0.017	11:02	0.008	0.004	-
11:03	-	0.017	11:03	0.005	0.004	-
11:04	-	0.017	11:04	0.003	0.004	-
11:05	-	0.017	11:05	0.002	0.004	-
11:06	-	0.017	11:06	0.001	0.004	-
11:07	-	0.017	11:07	0.001	0.004	-
11:08	-	0.017	11:08	0.000	0.004	-
11:09	-	0.017	11:09	0.000	0.004	-
11:10	-	0.017	11:10	0.000	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45033.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:11	-	0.017	11:11	0.000	0.004	-
11:12	-	0.017	11:12	0.000	0.004	-
11:13	-	0.017	11:13	0.000	0.004	-
11:14	-	0.017	11:14	0.000	0.003	-
11:15	-	0.017	11:15	0.000	0.002	-
11:16	-	0.017	11:16	0.000	0.001	-
11:17	-	0.017	11:17	0.000	0.001	-
11:18	-	0.017	11:18	0.000	0.000	-
11:19	-	0.017	11:19	0.000	0.000	-
11:20	-	0.017	11:20	0.000	0.000	-
11:21	-	0.017	11:21	0.000	0.000	-
11:22	-	0.017	11:22	0.000	0.000	-
11:23	-	0.017	11:23	0.000	0.000	-
11:24	-	0.017	11:24	0.000	0.000	-
11:25	-	0.017	11:25	0.000	0.000	-
11:26	-	0.017	11:26	0.000	0.000	-
11:27	-	0.017	11:27	0.000	0.000	-
11:28	-	0.017	11:28	0.000	0.000	-
11:29	-	0.017	11:29	0.000	0.000	-
11:30	-	0.017	11:30	0.000	0.000	-
11:31	-	0.017	11:31	0.000	0.000	-
11:32	-	0.017	11:32	0.000	0.000	-
11:33	-	0.017	11:33	0.000	0.000	-
11:34	-	0.017	11:34	0.000	0.000	-
11:35	-	0.017	11:35	0.000	0.000	-
11:36	-	0.017	11:36	0.000	0.000	-
11:37	-	0.017	11:37	0.000	0.000	-
11:38	-	0.017	11:38	0.000	0.000	-
11:39	-	0.017	11:39	0.000	0.000	-
11:40	-	0.017	11:40	0.000	0.000	-
11:41	-	0.017	11:41	0.000	0.000	-
11:42	-	0.017	11:42	0.000	0.000	-
11:43	-	0.017	11:43	0.000	0.000	-
11:44	-	0.017	11:44	0.000	0.000	-
11:45	-	0.017	11:45	0.000	0.000	-
11:46	-	0.017	11:46	0.000	0.000	-
11:47	-	0.017	11:47	0.000	0.000	-
11:48	-	0.017	11:48	0.000	0.000	-
11:49	-	0.017	11:49	0.000	0.000	-
11:50	-	0.017	11:50	0.000	0.000	-
11:51	-	0.017	11:51	0.000	0.000	-
11:52	-	0.017	11:52	0.000	0.000	-
11:53	-	0.017	11:53	0.000	0.000	-
11:54	-	0.017	11:54	0.000	0.000	-
11:55	-	0.017	11:55	0.000	0.000	-
11:56	-	0.017	11:56	0.000	0.000	-
11:57	-	0.017	11:57	0.000	0.000	-

Monday, April 17, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						98
170635401						10:07
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45033.0	Time	VOC (ppm)	15-Minute Average	
10:07	0.0		10:07			
10:08	0.0		10:08			
10:09	0.0		10:09			
10:10	0.0		10:10			
10:11	0.0		10:11			
10:12	0.0		10:12			
10:13	0.1		10:13			
10:14	0.0		10:14			
10:15	0.0		10:15			
10:16	0.2		10:16			
10:17	0.0		10:17			
10:18	0.1		10:18			
10:19	0.0		10:19			
10:20	0.0		10:20			
10:21	0.0	0.0	10:21			
10:22	-	0.0	10:22	0.0	-	-
10:23	-	0.0	10:23	0.1	-	-
10:24	-	0.0	10:24	0.0	-	-
10:25	-	0.0	10:25	0.0	-	-
10:26	-	0.0	10:26	0.0	-	-
10:27	-	0.0	10:27	0.0	-	-
10:28	-	0.0	10:28	0.0	-	-
10:29	-	0.0	10:29	0.0	-	-
10:30	-	0.0	10:30	0.0	-	-
10:31	-	0.0	10:31	0.0	-	-
10:32	-	0.0	10:32	0.0	-	-
10:33	-	0.0	10:33	0.0	-	-
10:34	-	0.0	10:34	0.0	-	-
10:35	-	0.0	10:35	0.0	-	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45033.0	Time	VOC (ppm)	15-Minute Average	
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-

LANGAN

687 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/7/2024
Start: 7:31 AM
End: 11:59 AM
Observer: Camille Quick

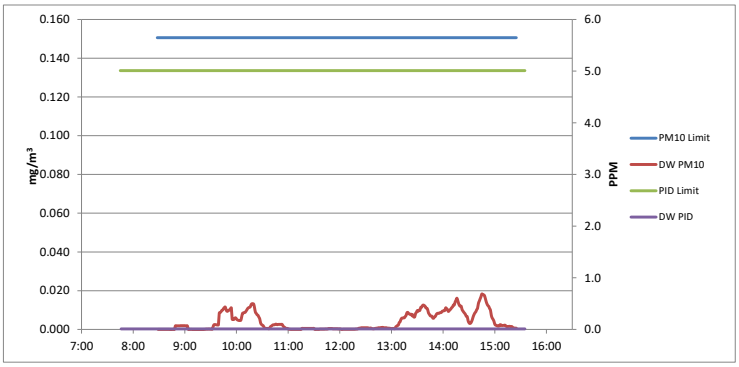
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.001	0.000
Maximum 15min Average	0.001	0.018
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.000	-0.001
Maximum 1min Reading	0.000	0.093

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.0	0.0
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.0

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Thursday, March 7, 2024						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						403
170635401						8:14
End Time:						15:25
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
8:14	0.006		8:14			
8:15	0.003		8:15			
8:16	0.000		8:16			
8:17	0.000		8:17			
8:18	0.000		8:18			
8:19	0.000		8:19			
8:20	0.000		8:20			
8:21	0.000		8:21			
8:22	0.000		8:22			
8:23	0.000		8:23			
8:24	0.000		8:24			
8:25	0.000		8:25			
8:26	0.000		8:26			
8:27	0.000		8:27			
8:28	0.000	0.001	8:28			
8:29		0.001	8:29	0.000	-	
8:30	-	0.001	8:30	0.000	-	
8:31	-	0.001	8:31	0.000	-	
8:32	-	0.001	8:32	0.000	-	
8:33	-	0.001	8:33	0.000	-	
8:34	-	0.001	8:34	0.000	-	
8:35	-	0.001	8:35	0.000	-	
8:36	-	0.001	8:36	0.000	-	
8:37	-	0.001	8:37	0.000	-	
8:38	-	0.001	8:38	0.000	-	
8:39	-	0.001	8:39	0.000	-	
8:40	-	0.001	8:40	-0.001	-	
8:41	-	0.001	8:41	0.000	-	
8:42	-	0.001	8:42	0.000	-	
8:43	-	0.001	8:43	0.000	0.000	-
8:44	-	0.001	8:44	0.000	0.000	-
8:45	-	0.001	8:45	0.000	0.000	-
8:46	-	0.001	8:46	0.001	0.000	-
8:47	-	0.001	8:47	0.000	0.000	-
8:48	-	0.001	8:48	0.000	0.000	-
8:49	-	0.001	8:49	0.028	0.002	-
8:50	-	0.001	8:50	0.000	0.002	-
8:51	-	0.001	8:51	0.000	0.002	-
8:52	-	0.001	8:52	0.000	0.002	-
8:53	-	0.001	8:53	0.000	0.002	-
8:54	-	0.001	8:54	0.000	0.002	-
8:55	-	0.001	8:55	0.000	0.002	-
8:56	-	0.001	8:56	0.000	0.002	-
8:57	-	0.001	8:57	0.000	0.002	-
8:58	-	0.001	8:58	0.000	0.002	-
8:59	-	0.001	8:59	0.000	0.002	-
9:00	-	0.001	9:00	0.000	0.002	-
9:01	-	0.001	9:01	0.000	0.002	-
9:02	-	0.001	9:02	0.000	0.002	-
9:03	-	0.001	9:03	0.000	0.002	-
9:04	-	0.001	9:04	0.000	0.000	-
9:05	-	0.001	9:05	0.000	0.000	-
9:06	-	0.001	9:06	0.000	0.000	-
9:07	-	0.001	9:07	0.000	0.000	-
9:08	-	0.001	9:08	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
9:09	-	0.001	9:09	-0.001	0.000	-
9:10	-	0.001	9:10	-0.001	0.000	-
9:11	-	0.001	9:11	0.000	0.000	-
9:12	-	0.001	9:12	0.000	0.000	-
9:13	-	0.001	9:13	-0.001	0.000	-
9:14	-	0.001	9:14	0.001	0.000	-
9:15	-	0.001	9:15	0.000	0.000	-
9:16	-	0.001	9:16	0.000	0.000	-
9:17	-	0.001	9:17	0.000	0.000	-
9:18	-	0.001	9:18	0.000	0.000	-
9:19	-	0.001	9:19	0.000	0.000	-
9:20	-	0.001	9:20	0.000	0.000	-
9:21	-	0.001	9:21	0.000	0.000	-
9:22	-	0.001	9:22	0.002	0.000	-
9:23	-	0.001	9:23	0.000	0.000	-
9:24	-	0.001	9:24	0.000	0.000	-
9:25	-	0.001	9:25	0.000	0.000	-
9:26	-	0.001	9:26	0.000	0.000	-
9:27	-	0.001	9:27	0.000	0.000	-
9:28	-	0.001	9:28	0.000	0.000	-
9:29	-	0.001	9:29	0.000	0.000	-
9:30	-	0.001	9:30	0.000	0.000	-
9:31	-	0.001	9:31	0.000	0.000	-
9:32	-	0.001	9:32	0.000	0.000	-
9:33	-	0.001	9:33	0.023	0.002	-
9:34	-	0.001	9:34	0.012	0.002	-
9:35	-	0.001	9:35	0.000	0.002	-
9:36	-	0.001	9:36	0.000	0.002	-
9:37	-	0.001	9:37	0.000	0.002	-
9:38	-	0.001	9:38	0.000	0.002	-
9:39	-	0.001	9:39	0.000	0.002	-
9:40	-	0.001	9:40	0.093	0.009	-
9:41	-	0.001	9:41	0.003	0.009	-
9:42	-	0.001	9:42	0.006	0.009	-
9:43	-	0.001	9:43	0.011	0.010	-
9:44	-	0.001	9:44	0.002	0.010	-
9:45	-	0.001	9:45	0.012	0.011	-
9:46	-	0.001	9:46	0.008	0.011	-
9:47	-	0.001	9:47	0.003	0.012	-
9:48	-	0.001	9:48	0.002	0.010	-
9:49	-	0.001	9:49	0.000	0.009	-
9:50	-	0.001	9:50	0.003	0.010	-
9:51	-	0.001	9:51	0.004	0.010	-
9:52	-	0.001	9:52	0.006	0.010	-
9:53	-	0.001	9:53	0.007	0.011	-
9:54	-	0.001	9:54	0.007	0.011	-
9:55	-	0.001	9:55	0.004	0.005	-
9:56	-	0.001	9:56	0.005	0.005	-
9:57	-	0.001	9:57	0.003	0.005	-
9:58	-	0.001	9:58	0.021	0.006	-
9:59	-	0.001	9:59	0.005	0.006	-
10:00	-	0.001	10:00	0.003	0.005	-
10:01	-	0.001	10:01	0.001	0.005	-
10:02	-	0.001	10:02	0.000	0.005	-
10:03	-	0.001	10:03	0.000	0.005	-
10:04	-	0.001	10:04	0.001	0.005	-
10:05	-	0.001	10:05	0.003	0.005	-
10:06	-	0.001	10:06	0.030	0.006	-
10:07	-	0.001	10:07	0.035	0.008	-
10:08	-	0.001	10:08	0.009	0.008	-
10:09	-	0.001	10:09	0.011	0.009	-
10:10	-	0.001	10:10	0.005	0.009	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
10:11	-	0.001	10:11	0.014	0.009	-
10:12	-	0.001	10:12	0.013	0.010	-
10:13	-	0.001	10:13	0.032	0.011	-
10:14	-	0.001	10:14	0.011	0.011	-
10:15	-	0.001	10:15	0.006	0.011	-
10:16	-	0.001	10:16	0.005	0.012	-
10:17	-	0.001	10:17	0.017	0.013	-
10:18	-	0.001	10:18	0.007	0.013	-
10:19	-	0.001	10:19	0.001	0.013	-
10:20	-	0.001	10:20	0.000	0.013	-
10:21	-	0.001	10:21	0.000	0.011	-
10:22	-	0.001	10:22	0.002	0.009	-
10:23	-	0.001	10:23	0.000	0.008	-
10:24	-	0.001	10:24	0.000	0.008	-
10:25	-	0.001	10:25	0.001	0.007	-
10:26	-	0.001	10:26	0.000	0.006	-
10:27	-	0.001	10:27	0.000	0.005	-
10:28	-	0.001	10:28	0.000	0.003	-
10:29	-	0.001	10:29	0.000	0.003	-
10:30	-	0.001	10:30	0.000	0.002	-
10:31	-	0.001	10:31	0.001	0.002	-
10:32	-	0.001	10:32	0.005	0.001	-
10:33	-	0.001	10:33	0.000	0.001	-
10:34	-	0.001	10:34	-0.001	0.001	-
10:35	-	0.001	10:35	0.000	0.001	-
10:36	-	0.001	10:36	0.000	0.001	-
10:37	-	0.001	10:37	0.000	0.000	-
10:38	-	0.001	10:38	0.000	0.000	-
10:39	-	0.001	10:39	0.011	0.001	-
10:40	-	0.001	10:40	0.008	0.002	-
10:41	-	0.001	10:41	0.004	0.002	-
10:42	-	0.001	10:42	0.006	0.002	-
10:43	-	0.001	10:43	0.002	0.002	-
10:44	-	0.001	10:44	0.000	0.002	-
10:45	-	0.001	10:45	0.003	0.003	-
10:46	-	0.001	10:46	0.003	0.003	-
10:47	-	0.001	10:47	0.001	0.002	-
10:48	-	0.001	10:48	0.001	0.003	-
10:49	-	0.001	10:49	0.000	0.003	-
10:50	-	0.001	10:50	0.000	0.003	-
10:51	-	0.001	10:51	0.000	0.003	-
10:52	-	0.001	10:52	0.000	0.003	-
10:53	-	0.001	10:53	0.000	0.003	-
10:54	-	0.001	10:54	0.000	0.002	-
10:55	-	0.001	10:55	0.000	0.001	-
10:56	-	0.001	10:56	0.000	0.001	-
10:57	-	0.001	10:57	0.000	0.001	-
10:58	-	0.001	10:58	0.000	0.001	-
10:59	-	0.001	10:59	0.000	0.001	-
11:00	-	0.001	11:00	0.000	0.000	-
11:01	-	0.001	11:01	0.000	0.000	-
11:02	-	0.001	11:02	0.000	0.000	-
11:03	-	0.001	11:03	0.000	0.000	-
11:04	-	0.001	11:04	0.000	0.000	-
11:05	-	0.001	11:05	0.000	0.000	-
11:06	-	0.001	11:06	0.000	0.000	-
11:07	-	0.001	11:07	0.000	0.000	-
11:08	-	0.001	11:08	0.000	0.000	-
11:09	-	0.001	11:09	0.000	0.000	-
11:10	-	0.001	11:10	0.000	0.000	-
11:11	-	0.001	11:11	0.000	0.000	-
11:12	-	0.001	11:12	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
11:13	-	0.001	11:13	0.000	0.000	-
11:14	-	0.001	11:14	0.000	0.000	-
11:15	-	0.001	11:15	0.000	0.000	-
11:16	-	0.001	11:16	0.008	0.001	-
11:17	-	0.001	11:17	0.000	0.001	-
11:18	-	0.001	11:18	0.000	0.001	-
11:19	-	0.001	11:19	0.000	0.001	-
11:20	-	0.001	11:20	0.000	0.001	-
11:21	-	0.001	11:21	0.000	0.001	-
11:22	-	0.001	11:22	0.000	0.001	-
11:23	-	0.001	11:23	0.000	0.001	-
11:24	-	0.001	11:24	0.000	0.001	-
11:25	-	0.001	11:25	0.000	0.001	-
11:26	-	0.001	11:26	0.000	0.001	-
11:27	-	0.001	11:27	0.000	0.001	-
11:28	-	0.001	11:28	0.000	0.001	-
11:29	-	0.001	11:29	0.000	0.001	-
11:30	-	0.001	11:30	0.000	0.001	-
11:31	-	0.001	11:31	0.000	0.000	-
11:32	-	0.001	11:32	0.000	0.000	-
11:33	-	0.001	11:33	0.000	0.000	-
11:34	-	0.001	11:34	0.000	0.000	-
11:35	-	0.001	11:35	0.000	0.000	-
11:36	-	0.001	11:36	0.000	0.000	-
11:37	-	0.001	11:37	0.002	0.000	-
11:38	-	0.001	11:38	0.000	0.000	-
11:39	-	0.001	11:39	0.000	0.000	-
11:40	-	0.001	11:40	0.000	0.000	-
11:41	-	0.001	11:41	0.000	0.000	-
11:42	-	0.001	11:42	0.000	0.000	-
11:43	-	0.001	11:43	0.001	0.000	-
11:44	-	0.001	11:44	0.000	0.000	-
11:45	-	0.001	11:45	0.000	0.000	-
11:46	-	0.001	11:46	0.001	0.000	-
11:47	-	0.001	11:47	0.003	0.000	-
11:48	-	0.001	11:48	0.000	0.000	-
11:49	-	0.001	11:49	0.000	0.000	-
11:50	-	0.001	11:50	0.000	0.000	-
11:51	-	0.001	11:51	0.000	0.000	-
11:52	-	0.001	11:52	0.000	0.000	-
11:53	-	0.001	11:53	0.000	0.000	-
11:54	-	0.001	11:54	0.000	0.000	-
11:55	-	0.001	11:55	0.000	0.000	-
11:56	-	0.001	11:56	0.000	0.000	-
11:57	-	0.001	11:57	0.000	0.000	-
11:58	-	0.001	11:58	0.000	0.000	-
11:59	-	0.001	11:59	0.000	0.000	-
12:00	-	0.001	12:00	0.000	0.000	-
12:01	-	0.001	12:01	0.000	0.000	-
12:02	-	0.001	12:02	0.000	0.000	-
12:03	-	0.001	12:03	0.000	0.000	-
12:04	-	0.001	12:04	0.001	0.000	-
12:05	-	0.001	12:05	0.000	0.000	-
12:06	-	0.001	12:06	0.000	0.000	-
12:07	-	0.001	12:07	0.000	0.000	-
12:08	-	0.001	12:08	0.000	0.000	-
12:09	-	0.001	12:09	0.000	0.000	-
12:10	-	0.001	12:10	0.000	0.000	-
12:11	-	0.001	12:11	0.000	0.000	-
12:12	-	0.001	12:12	0.000	0.000	-
12:13	-	0.001	12:13	0.000	0.000	-
12:14	-	0.001	12:14	0.000	0.000	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
12:15	-	0.001	12:15	0.000	0.000	-
12:16	-	0.001	12:16	0.000	0.000	-
12:17	-	0.001	12:17	0.000	0.000	-
12:18	-	0.001	12:18	0.001	0.000	-
12:19	-	0.001	12:19	0.002	0.000	-
12:20	-	0.001	12:20	0.000	0.000	-
12:21	-	0.001	12:21	0.002	0.000	-
12:22	-	0.001	12:22	0.004	0.001	-
12:23	-	0.001	12:23	0.001	0.001	-
12:24	-	0.001	12:24	0.001	0.001	-
12:25	-	0.001	12:25	0.002	0.001	-
12:26	-	0.001	12:26	0.000	0.001	-
12:27	-	0.001	12:27	0.000	0.001	-
12:28	-	0.001	12:28	0.000	0.001	-
12:29	-	0.001	12:29	0.000	0.001	-
12:30	-	0.001	12:30	0.000	0.001	-
12:31	-	0.001	12:31	0.000	0.001	-
12:32	-	0.001	12:32	0.000	0.001	-
12:33	-	0.001	12:33	0.000	0.001	-
12:34	-	0.001	12:34	0.000	0.001	-
12:35	-	0.001	12:35	0.000	0.001	-
12:36	-	0.001	12:36	0.003	0.001	-
12:37	-	0.001	12:37	0.000	0.000	-
12:38	-	0.001	12:38	0.000	0.000	-
12:39	-	0.001	12:39	0.000	0.000	-
12:40	-	0.001	12:40	0.003	0.000	-
12:41	-	0.001	12:41	0.002	0.001	-
12:42	-	0.001	12:42	0.001	0.001	-
12:43	-	0.001	12:43	0.001	0.001	-
12:44	-	0.001	12:44	0.001	0.001	-
12:45	-	0.001	12:45	0.002	0.001	-
12:46	-	0.001	12:46	0.000	0.001	-
12:47	-	0.001	12:47	0.000	0.001	-
12:48	-	0.001	12:48	0.002	0.001	-
12:49	-	0.001	12:49	0.000	0.001	-
12:50	-	0.001	12:50	0.001	0.001	-
12:51	-	0.001	12:51	0.000	0.001	-
12:52	-	0.001	12:52	0.000	0.001	-
12:53	-	0.001	12:53	0.000	0.001	-
12:54	-	0.001	12:54	0.000	0.001	-
12:55	-	0.001	12:55	0.001	0.001	-
12:56	-	0.001	12:56	0.001	0.001	-
12:57	-	0.001	12:57	0.001	0.001	-
12:58	-	0.001	12:58	0.000	0.001	-
12:59	-	0.001	12:59	0.000	0.001	-
13:00	-	0.001	13:00	0.001	0.000	-
13:01	-	0.001	13:01	0.000	0.000	-
13:02	-	0.001	13:02	0.001	0.001	-
13:03	-	0.001	13:03	0.000	0.000	-
13:04	-	0.001	13:04	0.000	0.000	-
13:05	-	0.001	13:05	0.015	0.001	-
13:06	-	0.001	13:06	0.004	0.002	-
13:07	-	0.001	13:07	0.007	0.002	-
13:08	-	0.001	13:08	0.003	0.002	-
13:09	-	0.001	13:09	0.019	0.004	-
13:10	-	0.001	13:10	0.007	0.004	-
13:11	-	0.001	13:11	0.019	0.005	-
13:12	-	0.001	13:12	0.011	0.006	-
13:13	-	0.001	13:13	0.001	0.006	-
13:14	-	0.001	13:14	0.002	0.006	-
13:15	-	0.001	13:15	0.001	0.006	-
13:16	-	0.001	13:16	0.010	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
13:17	-	0.001	13:17	0.010	0.007	-
13:18	-	0.001	13:18	0.020	0.009	-
13:19	-	0.001	13:19	0.003	0.009	-
13:20	-	0.001	13:20	0.005	0.008	-
13:21	-	0.001	13:21	0.002	0.008	-
13:22	-	0.001	13:22	0.002	0.008	-
13:23	-	0.001	13:23	0.006	0.008	-
13:24	-	0.001	13:24	0.006	0.007	-
13:25	-	0.001	13:25	0.015	0.008	-
13:26	-	0.001	13:26	0.002	0.006	-
13:27	-	0.001	13:27	0.012	0.006	-
13:28	-	0.001	13:28	0.027	0.008	-
13:29	-	0.001	13:29	0.011	0.009	-
13:30	-	0.001	13:30	0.015	0.010	-
13:31	-	0.001	13:31	0.004	0.009	-
13:32	-	0.001	13:32	0.020	0.010	-
13:33	-	0.001	13:33	0.017	0.010	-
13:34	-	0.001	13:34	0.027	0.011	-
13:35	-	0.001	13:35	0.005	0.011	-
13:36	-	0.001	13:36	0.015	0.012	-
13:37	-	0.001	13:37	0.007	0.013	-
13:38	-	0.001	13:38	0.002	0.012	-
13:39	-	0.001	13:39	0.001	0.012	-
13:40	-	0.001	13:40	0.001	0.011	-
13:41	-	0.001	13:41	0.001	0.011	-
13:42	-	0.001	13:42	0.001	0.010	-
13:43	-	0.001	13:43	0.001	0.009	-
13:44	-	0.001	13:44	0.001	0.008	-
13:45	-	0.001	13:45	0.003	0.007	-
13:46	-	0.001	13:46	0.002	0.007	-
13:47	-	0.001	13:47	0.018	0.007	-
13:48	-	0.001	13:48	0.003	0.006	-
13:49	-	0.001	13:49	0.026	0.006	-
13:50	-	0.001	13:50	0.016	0.007	-
13:51	-	0.001	13:51	0.018	0.007	-
13:52	-	0.001	13:52	0.021	0.008	-
13:53	-	0.001	13:53	0.010	0.008	-
13:54	-	0.001	13:54	0.003	0.008	-
13:55	-	0.001	13:55	0.000	0.008	-
13:56	-	0.001	13:56	0.006	0.009	-
13:57	-	0.001	13:57	0.002	0.009	-
13:58	-	0.001	13:58	0.003	0.009	-
13:59	-	0.001	13:59	0.010	0.009	-
14:00	-	0.001	14:00	0.005	0.010	-
14:01	-	0.001	14:01	0.004	0.010	-
14:02	-	0.001	14:02	0.020	0.010	-
14:03	-	0.001	14:03	0.024	0.011	-
14:04	-	0.001	14:04	0.018	0.011	-
14:05	-	0.001	14:05	0.011	0.010	-
14:06	-	0.001	14:06	0.002	0.009	-
14:07	-	0.001	14:07	0.027	0.010	-
14:08	-	0.001	14:08	0.017	0.010	-
14:09	-	0.001	14:09	0.010	0.011	-
14:10	-	0.001	14:10	0.010	0.011	-
14:11	-	0.001	14:11	0.012	0.012	-
14:12	-	0.001	14:12	0.017	0.013	-
14:13	-	0.001	14:13	0.003	0.013	-
14:14	-	0.001	14:14	0.033	0.014	-
14:15	-	0.001	14:15	0.018	0.015	-
14:16	-	0.001	14:16	0.020	0.016	-
14:17	-	0.001	14:17	0.001	0.015	-
14:18	-	0.001	14:18	0.002	0.013	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
14:19	-	0.001	14:19	0.003	0.012	-
14:20	-	0.001	14:20	0.004	0.012	-
14:21	-	0.001	14:21	0.003	0.012	-
14:22	-	0.001	14:22	0.001	0.010	-
14:23	-	0.001	14:23	0.006	0.010	-
14:24	-	0.001	14:24	0.000	0.009	-
14:25	-	0.001	14:25	0.002	0.008	-
14:26	-	0.001	14:26	0.002	0.008	-
14:27	-	0.001	14:27	0.003	0.007	-
14:28	-	0.001	14:28	0.001	0.007	-
14:29	-	0.001	14:29	0.002	0.005	-
14:30	-	0.001	14:30	0.002	0.003	-
14:31	-	0.001	14:31	0.014	0.003	-
14:32	-	0.001	14:32	0.004	0.003	-
14:33	-	0.001	14:33	0.013	0.004	-
14:34	-	0.001	14:34	0.021	0.005	-
14:35	-	0.001	14:35	0.026	0.007	-
14:36	-	0.001	14:36	0.019	0.008	-
14:37	-	0.001	14:37	0.014	0.009	-
14:38	-	0.001	14:38	0.014	0.009	-
14:39	-	0.001	14:39	0.016	0.010	-
14:40	-	0.001	14:40	0.013	0.011	-
14:41	-	0.001	14:41	0.040	0.013	-
14:42	-	0.001	14:42	0.020	0.015	-
14:43	-	0.001	14:43	0.019	0.016	-
14:44	-	0.001	14:44	0.019	0.017	-
14:45	-	0.001	14:45	0.023	0.018	-
14:46	-	0.001	14:46	0.009	0.018	-
14:47	-	0.001	14:47	0.002	0.018	-
14:48	-	0.001	14:48	0.007	0.017	-
14:49	-	0.001	14:49	0.000	0.016	-
14:50	-	0.001	14:50	0.001	0.014	-
14:51	-	0.001	14:51	0.000	0.013	-
14:52	-	0.001	14:52	0.002	0.012	-
14:53	-	0.001	14:53	0.007	0.012	-
14:54	-	0.001	14:54	0.000	0.011	-
14:55	-	0.001	14:55	0.000	0.010	-
14:56	-	0.001	14:56	0.000	0.007	-
14:57	-	0.001	14:57	0.000	0.006	-
14:58	-	0.001	14:58	0.008	0.005	-
14:59	-	0.001	14:59	0.005	0.004	-
15:00	-	0.001	15:00	0.000	0.003	-
15:01	-	0.001	15:01	0.001	0.002	-
15:02	-	0.001	15:02	0.001	0.002	-
15:03	-	0.001	15:03	0.001	0.002	-
15:04	-	0.001	15:04	0.001	0.002	-
15:05	-	0.001	15:05	0.000	0.002	-
15:06	-	0.001	15:06	0.010	0.002	-
15:07	-	0.001	15:07	0.002	0.002	-
15:08	-	0.001	15:08	0.001	0.002	-
15:09	-	0.001	15:09	0.001	0.002	-
15:10	-	0.001	15:10	0.000	0.002	-
15:11	-	0.001	15:11	0.001	0.002	-
15:12	-	0.001	15:12	0.001	0.002	-
15:13	-	0.001	15:13	0.001	0.002	-
15:14	-	0.001	15:14	0.001	0.001	-
15:15	-	0.001	15:15	0.001	0.002	-
15:16	-	0.001	15:16	0.001	0.002	-
15:17	-	0.001	15:17	0.002	0.002	-
15:18	-	0.001	15:18	0.000	0.002	-
15:19	-	0.001	15:19	0.000	0.001	-
15:20	-	0.001	15:20	0.000	0.001	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	15-Minute Average	Time	Concentration (mg/m^3)	15-Minute Average	
15:21	-	0.001	15:21	0.000	0.001	-
15:22	-	0.001	15:22	0.001	0.001	-
15:23	-	0.001	15:23	0.001	0.001	-
15:24	-	0.001	15:24	0.000	0.001	-
15:25	-	0.001	15:25	0.000	0.001	-

Thursday, March 7, 2024						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						470
170635401						7:31
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:31	0.0		7:31			
7:32	0.0		7:32			
7:33	0.0		7:33			
7:34	0.0		7:34			
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.0		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0	0.0	7:45			
7:46	-	0.0	7:46	0.0	-	-
7:47	-	0.0	7:47	0.0	-	-
7:48	-	0.0	7:48	0.0	-	-
7:49	-	0.0	7:49	0.0	-	-
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.0	-	-
7:59	-	0.0	7:59	0.0	-	-
8:00	-	0.0	8:00	0.0	0.0	-
8:01	-	0.0	8:01	0.0	0.0	-
8:02	-	0.0	8:02	0.0	0.0	-
8:03	-	0.0	8:03	0.0	0.0	-
8:04	-	0.0	8:04	0.0	0.0	-
8:05	-	0.0	8:05	0.0	0.0	-
8:06	-	0.0	8:06	0.0	0.0	-
8:07	-	0.0	8:07	0.0	0.0	-
8:08	-	0.0	8:08	0.0	0.0	-
8:09	-	0.0	8:09	0.0	0.0	-
8:10	-	0.0	8:10	0.0	0.0	-
8:11	-	0.0	8:11	0.0	0.0	-
8:12	-	0.0	8:12	0.0	0.0	-
8:13	-	0.0	8:13	0.0	0.0	-
8:14	-	0.0	8:14	0.0	0.0	-
8:15	-	0.0	8:15	0.0	0.0	-
8:16	-	0.0	8:16	0.0	0.0	-
8:17	-	0.0	8:17	0.0	0.0	-
8:18	-	0.0	8:18	0.0	0.0	-
8:19	-	0.0	8:19	0.0	0.0	-
8:20	-	0.0	8:20	0.0	0.0	-
8:21	-	0.0	8:21	0.0	0.0	-
8:22	-	0.0	8:22	0.0	0.0	-
8:23	-	0.0	8:23	0.0	0.0	-
8:24	-	0.0	8:24	0.0	0.0	-
8:25	-	0.0	8:25	0.0	0.0	-
8:26	-	0.0	8:26	0.0	0.0	-
8:27	-	0.0	8:27	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:28	-	0.0	8:28	0.0	0.0	-
8:29	-	0.0	8:29	0.0	0.0	-
8:30	-	0.0	8:30	0.0	0.0	-
8:31	-	0.0	8:31	0.0	0.0	-
8:32	-	0.0	8:32	0.0	0.0	-
8:33	-	0.0	8:33	0.0	0.0	-
8:34	-	0.0	8:34	0.0	0.0	-
8:35	-	0.0	8:35	0.0	0.0	-
8:36	-	0.0	8:36	0.0	0.0	-
8:37	-	0.0	8:37	0.0	0.0	-
8:38	-	0.0	8:38	0.0	0.0	-
8:39	-	0.0	8:39	0.0	0.0	-
8:40	-	0.0	8:40	0.0	0.0	-
8:41	-	0.0	8:41	0.0	0.0	-
8:42	-	0.0	8:42	0.0	0.0	-
8:43	-	0.0	8:43	0.0	0.0	-
8:44	-	0.0	8:44	0.0	0.0	-
8:45	-	0.0	8:45	0.0	0.0	-
8:46	-	0.0	8:46	0.0	0.0	-
8:47	-	0.0	8:47	0.0	0.0	-
8:48	-	0.0	8:48	0.0	0.0	-
8:49	-	0.0	8:49	0.0	0.0	-
8:50	-	0.0	8:50	0.0	0.0	-
8:51	-	0.0	8:51	0.0	0.0	-
8:52	-	0.0	8:52	0.0	0.0	-
8:53	-	0.0	8:53	0.0	0.0	-
8:54	-	0.0	8:54	0.0	0.0	-
8:55	-	0.0	8:55	0.0	0.0	-
8:56	-	0.0	8:56	0.0	0.0	-
8:57	-	0.0	8:57	0.0	0.0	-
8:58	-	0.0	8:58	0.0	0.0	-
8:59	-	0.0	8:59	0.0	0.0	-
9:00	-	0.0	9:00	0.0	0.0	-
9:01	-	0.0	9:01	0.0	0.0	-
9:02	-	0.0	9:02	0.0	0.0	-
9:03	-	0.0	9:03	0.0	0.0	-
9:04	-	0.0	9:04	0.0	0.0	-
9:05	-	0.0	9:05	0.0	0.0	-
9:06	-	0.0	9:06	0.0	0.0	-
9:07	-	0.0	9:07	0.0	0.0	-
9:08	-	0.0	9:08	0.0	0.0	-
9:09	-	0.0	9:09	0.0	0.0	-
9:10	-	0.0	9:10	0.0	0.0	-
9:11	-	0.0	9:11	0.0	0.0	-
9:12	-	0.0	9:12	0.0	0.0	-
9:13	-	0.0	9:13	0.0	0.0	-
9:14	-	0.0	9:14	0.0	0.0	-
9:15	-	0.0	9:15	0.0	0.0	-
9:16	-	0.0	9:16	0.0	0.0	-
9:17	-	0.0	9:17	0.0	0.0	-
9:18	-	0.0	9:18	0.0	0.0	-
9:19	-	0.0	9:19	0.0	0.0	-
9:20	-	0.0	9:20	0.0	0.0	-
9:21	-	0.0	9:21	0.0	0.0	-
9:22	-	0.0	9:22	0.0	0.0	-
9:23	-	0.0	9:23	0.0	0.0	-
9:24	-	0.0	9:24	0.0	0.0	-
9:25	-	0.0	9:25	0.0	0.0	-
9:26	-	0.0	9:26	0.0	0.0	-
9:27	-	0.0	9:27	0.0	0.0	-
9:28	-	0.0	9:28	0.0	0.0	-
9:29	-	0.0	9:29	0.0	0.0	-
9:30	-	0.0	9:30	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:31	-	0.0	9:31	0.0	0.0	-
9:32	-	0.0	9:32	0.0	0.0	-
9:33	-	0.0	9:33	0.0	0.0	-
9:34	-	0.0	9:34	0.0	0.0	-
9:35	-	0.0	9:35	0.0	0.0	-
9:36	-	0.0	9:36	0.0	0.0	-
9:37	-	0.0	9:37	0.0	0.0	-
9:38	-	0.0	9:38	0.0	0.0	-
9:39	-	0.0	9:39	0.0	0.0	-
9:40	-	0.0	9:40	0.0	0.0	-
9:41	-	0.0	9:41	0.0	0.0	-
9:42	-	0.0	9:42	0.0	0.0	-
9:43	-	0.0	9:43	0.0	0.0	-
9:44	-	0.0	9:44	0.0	0.0	-
9:45	-	0.0	9:45	0.0	0.0	-
9:46	-	0.0	9:46	0.0	0.0	-
9:47	-	0.0	9:47	0.0	0.0	-
9:48	-	0.0	9:48	0.0	0.0	-
9:49	-	0.0	9:49	0.0	0.0	-
9:50	-	0.0	9:50	0.0	0.0	-
9:51	-	0.0	9:51	0.0	0.0	-
9:52	-	0.0	9:52	0.0	0.0	-
9:53	-	0.0	9:53	0.0	0.0	-
9:54	-	0.0	9:54	0.0	0.0	-
9:55	-	0.0	9:55	0.0	0.0	-
9:56	-	0.0	9:56	0.0	0.0	-
9:57	-	0.0	9:57	0.0	0.0	-
9:58	-	0.0	9:58	0.0	0.0	-
9:59	-	0.0	9:59	0.0	0.0	-
10:00	-	0.0	10:00	0.0	0.0	-
10:01	-	0.0	10:01	0.0	0.0	-
10:02	-	0.0	10:02	0.0	0.0	-
10:03	-	0.0	10:03	0.0	0.0	-
10:04	-	0.0	10:04	0.0	0.0	-
10:05	-	0.0	10:05	0.0	0.0	-
10:06	-	0.0	10:06	0.0	0.0	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.0	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.0	0.0	-
10:27	-	0.0	10:27	0.0	0.0	-
10:28	-	0.0	10:28	0.0	0.0	-
10:29	-	0.0	10:29	0.0	0.0	-
10:30	-	0.0	10:30	0.0	0.0	-
10:31	-	0.0	10:31	0.0	0.0	-
10:32	-	0.0	10:32	0.0	0.0	-
10:33	-	0.0	10:33	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:34	-	0.0	10:34	0.0	0.0	-
10:35	-	0.0	10:35	0.0	0.0	-
10:36	-	0.0	10:36	0.0	0.0	-
10:37	-	0.0	10:37	0.0	0.0	-
10:38	-	0.0	10:38	0.0	0.0	-
10:39	-	0.0	10:39	0.0	0.0	-
10:40	-	0.0	10:40	0.0	0.0	-
10:41	-	0.0	10:41	0.0	0.0	-
10:42	-	0.0	10:42	0.0	0.0	-
10:43	-	0.0	10:43	0.0	0.0	-
10:44	-	0.0	10:44	0.0	0.0	-
10:45	-	0.0	10:45	0.0	0.0	-
10:46	-	0.0	10:46	0.0	0.0	-
10:47	-	0.0	10:47	0.0	0.0	-
10:48	-	0.0	10:48	0.0	0.0	-
10:49	-	0.0	10:49	0.0	0.0	-
10:50	-	0.0	10:50	0.0	0.0	-
10:51	-	0.0	10:51	0.0	0.0	-
10:52	-	0.0	10:52	0.0	0.0	-
10:53	-	0.0	10:53	0.0	0.0	-
10:54	-	0.0	10:54	0.0	0.0	-
10:55	-	0.0	10:55	0.0	0.0	-
10:56	-	0.0	10:56	0.0	0.0	-
10:57	-	0.0	10:57	0.0	0.0	-
10:58	-	0.0	10:58	0.0	0.0	-
10:59	-	0.0	10:59	0.0	0.0	-
11:00	-	0.0	11:00	0.0	0.0	-
11:01	-	0.0	11:01	0.0	0.0	-
11:02	-	0.0	11:02	0.0	0.0	-
11:03	-	0.0	11:03	0.0	0.0	-
11:04	-	0.0	11:04	0.0	0.0	-
11:05	-	0.0	11:05	0.0	0.0	-
11:06	-	0.0	11:06	0.0	0.0	-
11:07	-	0.0	11:07	0.0	0.0	-
11:08	-	0.0	11:08	0.0	0.0	-
11:09	-	0.0	11:09	0.0	0.0	-
11:10	-	0.0	11:10	0.0	0.0	-
11:11	-	0.0	11:11	0.0	0.0	-
11:12	-	0.0	11:12	0.0	0.0	-
11:13	-	0.0	11:13	0.0	0.0	-
11:14	-	0.0	11:14	0.0	0.0	-
11:15	-	0.0	11:15	0.0	0.0	-
11:16	-	0.0	11:16	0.0	0.0	-
11:17	-	0.0	11:17	0.0	0.0	-
11:18	-	0.0	11:18	0.0	0.0	-
11:19	-	0.0	11:19	0.0	0.0	-
11:20	-	0.0	11:20	0.0	0.0	-
11:21	-	0.0	11:21	0.0	0.0	-
11:22	-	0.0	11:22	0.0	0.0	-
11:23	-	0.0	11:23	0.0	0.0	-
11:24	-	0.0	11:24	0.0	0.0	-
11:25	-	0.0	11:25	0.0	0.0	-
11:26	-	0.0	11:26	0.0	0.0	-
11:27	-	0.0	11:27	0.0	0.0	-
11:28	-	0.0	11:28	0.0	0.0	-
11:29	-	0.0	11:29	0.0	0.0	-
11:30	-	0.0	11:30	0.0	0.0	-
11:31	-	0.0	11:31	0.0	0.0	-
11:32	-	0.0	11:32	0.0	0.0	-
11:33	-	0.0	11:33	0.0	0.0	-
11:34	-	0.0	11:34	0.0	0.0	-
11:35	-	0.0	11:35	0.0	0.0	-
11:36	-	0.0	11:36	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:37	-	0.0	11:37	0.0	0.0	-
11:38	-	0.0	11:38	0.0	0.0	-
11:39	-	0.0	11:39	0.0	0.0	-
11:40	-	0.0	11:40	0.0	0.0	-
11:41	-	0.0	11:41	0.0	0.0	-
11:42	-	0.0	11:42	0.0	0.0	-
11:43	-	0.0	11:43	0.0	0.0	-
11:44	-	0.0	11:44	0.0	0.0	-
11:45	-	0.0	11:45	0.0	0.0	-
11:46	-	0.0	11:46	0.0	0.0	-
11:47	-	0.0	11:47	0.0	0.0	-
11:48	-	0.0	11:48	0.0	0.0	-
11:49	-	0.0	11:49	0.0	0.0	-
11:50	-	0.0	11:50	0.0	0.0	-
11:51	-	0.0	11:51	0.0	0.0	-
11:52	-	0.0	11:52	0.0	0.0	-
11:53	-	0.0	11:53	0.0	0.0	-
11:54	-	0.0	11:54	0.0	0.0	-
11:55	-	0.0	11:55	0.0	0.0	-
11:56	-	0.0	11:56	0.0	0.0	-
11:57	-	0.0	11:57	0.0	0.0	-
11:58	-	0.0	11:58	0.0	0.0	-
11:59	-	0.0	11:59	0.0	0.0	-
12:00	-	0.0	12:00	0.0	0.0	-
12:01	-	0.0	12:01	0.0	0.0	-
12:02	-	0.0	12:02	0.0	0.0	-
12:03	-	0.0	12:03	0.0	0.0	-
12:04	-	0.0	12:04	0.0	0.0	-
12:05	-	0.0	12:05	0.0	0.0	-
12:06	-	0.0	12:06	0.0	0.0	-
12:07	-	0.0	12:07	0.0	0.0	-
12:08	-	0.0	12:08	0.0	0.0	-
12:09	-	0.0	12:09	0.0	0.0	-
12:10	-	0.0	12:10	0.0	0.0	-
12:11	-	0.0	12:11	0.0	0.0	-
12:12	-	0.0	12:12	0.0	0.0	-
12:13	-	0.0	12:13	0.0	0.0	-
12:14	-	0.0	12:14	0.0	0.0	-
12:15	-	0.0	12:15	0.0	0.0	-
12:16	-	0.0	12:16	0.0	0.0	-
12:17	-	0.0	12:17	0.0	0.0	-
12:18	-	0.0	12:18	0.0	0.0	-
12:19	-	0.0	12:19	0.0	0.0	-
12:20	-	0.0	12:20	0.0	0.0	-
12:21	-	0.0	12:21	0.0	0.0	-
12:22	-	0.0	12:22	0.0	0.0	-
12:23	-	0.0	12:23	0.0	0.0	-
12:24	-	0.0	12:24	0.0	0.0	-
12:25	-	0.0	12:25	0.0	0.0	-
12:26	-	0.0	12:26	0.0	0.0	-
12:27	-	0.0	12:27	0.0	0.0	-
12:28	-	0.0	12:28	0.0	0.0	-
12:29	-	0.0	12:29	0.0	0.0	-
12:30	-	0.0	12:30	0.0	0.0	-
12:31	-	0.0	12:31	0.0	0.0	-
12:32	-	0.0	12:32	0.0	0.0	-
12:33	-	0.0	12:33	0.0	0.0	-
12:34	-	0.0	12:34	0.0	0.0	-
12:35	-	0.0	12:35	0.0	0.0	-
12:36	-	0.0	12:36	0.0	0.0	-
12:37	-	0.0	12:37	0.0	0.0	-
12:38	-	0.0	12:38	0.0	0.0	-
12:39	-	0.0	12:39	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:40	-	0.0	12:40	0.0	0.0	-
12:41	-	0.0	12:41	0.0	0.0	-
12:42	-	0.0	12:42	0.0	0.0	-
12:43	-	0.0	12:43	0.0	0.0	-
12:44	-	0.0	12:44	0.0	0.0	-
12:45	-	0.0	12:45	0.0	0.0	-
12:46	-	0.0	12:46	0.0	0.0	-
12:47	-	0.0	12:47	0.0	0.0	-
12:48	-	0.0	12:48	0.0	0.0	-
12:49	-	0.0	12:49	0.0	0.0	-
12:50	-	0.0	12:50	0.0	0.0	-
12:51	-	0.0	12:51	0.0	0.0	-
12:52	-	0.0	12:52	0.0	0.0	-
12:53	-	0.0	12:53	0.0	0.0	-
12:54	-	0.0	12:54	0.0	0.0	-
12:55	-	0.0	12:55	0.0	0.0	-
12:56	-	0.0	12:56	0.0	0.0	-
12:57	-	0.0	12:57	0.0	0.0	-
12:58	-	0.0	12:58	0.0	0.0	-
12:59	-	0.0	12:59	0.0	0.0	-
13:00	-	0.0	13:00	0.0	0.0	-
13:01	-	0.0	13:01	0.0	0.0	-
13:02	-	0.0	13:02	0.0	0.0	-
13:03	-	0.0	13:03	0.0	0.0	-
13:04	-	0.0	13:04	0.0	0.0	-
13:05	-	0.0	13:05	0.0	0.0	-
13:06	-	0.0	13:06	0.0	0.0	-
13:07	-	0.0	13:07	0.0	0.0	-
13:08	-	0.0	13:08	0.0	0.0	-
13:09	-	0.0	13:09	0.0	0.0	-
13:10	-	0.0	13:10	0.0	0.0	-
13:11	-	0.0	13:11	0.0	0.0	-
13:12	-	0.0	13:12	0.0	0.0	-
13:13	-	0.0	13:13	0.0	0.0	-
13:14	-	0.0	13:14	0.0	0.0	-
13:15	-	0.0	13:15	0.0	0.0	-
13:16	-	0.0	13:16	0.0	0.0	-
13:17	-	0.0	13:17	0.0	0.0	-
13:18	-	0.0	13:18	0.0	0.0	-
13:19	-	0.0	13:19	0.0	0.0	-
13:20	-	0.0	13:20	0.0	0.0	-
13:21	-	0.0	13:21	0.0	0.0	-
13:22	-	0.0	13:22	0.0	0.0	-
13:23	-	0.0	13:23	0.0	0.0	-
13:24	-	0.0	13:24	0.0	0.0	-
13:25	-	0.0	13:25	0.0	0.0	-
13:26	-	0.0	13:26	0.0	0.0	-
13:27	-	0.0	13:27	0.0	0.0	-
13:28	-	0.0	13:28	0.0	0.0	-
13:29	-	0.0	13:29	0.0	0.0	-
13:30	-	0.0	13:30	0.0	0.0	-
13:31	-	0.0	13:31	0.0	0.0	-
13:32	-	0.0	13:32	0.0	0.0	-
13:33	-	0.0	13:33	0.0	0.0	-
13:34	-	0.0	13:34	0.0	0.0	-
13:35	-	0.0	13:35	0.0	0.0	-
13:36	-	0.0	13:36	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:37	-	0.0	13:37	0.0	0.0	-
13:38	-	0.0	13:38	0.0	0.0	-
13:39	-	0.0	13:39	0.0	0.0	-
13:40	-	0.0	13:40	0.0	0.0	-
13:41	-	0.0	13:41	0.0	0.0	-
13:42	-	0.0	13:42	0.0	0.0	-
13:43	-	0.0	13:43	0.0	0.0	-
13:44	-	0.0	13:44	0.0	0.0	-
13:45	-	0.0	13:45	0.0	0.0	-
13:46	-	0.0	13:46	0.0	0.0	-
13:47	-	0.0	13:47	0.0	0.0	-
13:48	-	0.0	13:48	0.0	0.0	-
13:49	-	0.0	13:49	0.0	0.0	-
13:50	-	0.0	13:50	0.0	0.0	-
13:51	-	0.0	13:51	0.0	0.0	-
13:52	-	0.0	13:52	0.0	0.0	-
13:53	-	0.0	13:53	0.0	0.0	-
13:54	-	0.0	13:54	0.0	0.0	-
13:55	-	0.0	13:55	0.0	0.0	-
13:56	-	0.0	13:56	0.0	0.0	-
13:57	-	0.0	13:57	0.0	0.0	-
13:58	-	0.0	13:58	0.0	0.0	-
13:59	-	0.0	13:59	0.0	0.0	-
14:00	-	0.0	14:00	0.0	0.0	-
14:01	-	0.0	14:01	0.0	0.0	-
14:02	-	0.0	14:02	0.0	0.0	-
14:03	-	0.0	14:03	0.0	0.0	-
14:04	-	0.0	14:04	0.0	0.0	-
14:05	-	0.0	14:05	0.0	0.0	-
14:06	-	0.0	14:06	0.0	0.0	-
14:07	-	0.0	14:07	0.0	0.0	-
14:08	-	0.0	14:08	0.0	0.0	-
14:09	-	0.0	14:09	0.0	0.0	-
14:10	-	0.0	14:10	0.0	0.0	-
14:11	-	0.0	14:11	0.0	0.0	-
14:12	-	0.0	14:12	0.0	0.0	-
14:13	-	0.0	14:13	0.0	0.0	-
14:14	-	0.0	14:14	0.0	0.0	-
14:15	-	0.0	14:15	0.0	0.0	-
14:16	-	0.0	14:16	0.0	0.0	-
14:17	-	0.0	14:17	0.0	0.0	-
14:18	-	0.0	14:18	0.0	0.0	-
14:19	-	0.0	14:19	0.0	0.0	-
14:20	-	0.0	14:20	0.0	0.0	-
14:21	-	0.0	14:21	0.0	0.0	-
14:22	-	0.0	14:22	0.0	0.0	-
14:23	-	0.0	14:23	0.0	0.0	-
14:24	-	0.0	14:24	0.0	0.0	-
14:25	-	0.0	14:25	0.0	0.0	-
14:26	-	0.0	14:26	0.0	0.0	-
14:27	-	0.0	14:27	0.0	0.0	-
14:28	-	0.0	14:28	0.0	0.0	-
14:29	-	0.0	14:29	0.0	0.0	-
14:30	-	0.0	14:30	0.0	0.0	-
14:31	-	0.0	14:31	0.0	0.0	-
14:32	-	0.0	14:32	0.0	0.0	-
14:33	-	0.0	14:33	0.0	0.0	-
14:34	-	0.0	14:34	0.0	0.0	-
14:35	-	0.0	14:35	0.0	0.0	-
14:36	-	0.0	14:36	0.0	0.0	-
14:37	-	0.0	14:37	0.0	0.0	-
14:38	-	0.0	14:38	0.0	0.0	-
14:39	-	0.0	14:39	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:40	-	0.0	14:40	0.0	0.0	-
14:41	-	0.0	14:41	0.0	0.0	-
14:42	-	0.0	14:42	0.0	0.0	-
14:43	-	0.0	14:43	0.0	0.0	-
14:44	-	0.0	14:44	0.0	0.0	-
14:45	-	0.0	14:45	0.0	0.0	-
14:46	-	0.0	14:46	0.0	0.0	-
14:47	-	0.0	14:47	0.0	0.0	-
14:48	-	0.0	14:48	0.0	0.0	-
14:49	-	0.0	14:49	0.0	0.0	-
14:50	-	0.0	14:50	0.0	0.0	-
14:51	-	0.0	14:51	0.0	0.0	-
14:52	-	0.0	14:52	0.0	0.0	-
14:53	-	0.0	14:53	0.0	0.0	-
14:54	-	0.0	14:54	0.0	0.0	-
14:55	-	0.0	14:55	0.0	0.0	-
14:56	-	0.0	14:56	0.0	0.0	-
14:57	-	0.0	14:57	0.0	0.0	-
14:58	-	0.0	14:58	0.0	0.0	-
14:59	-	0.0	14:59	0.0	0.0	-
15:00	-	0.0	15:00	0.0	0.0	-
15:01	-	0.0	15:01	0.0	0.0	-
15:02	-	0.0	15:02	0.0	0.0	-
15:03	-	0.0	15:03	0.0	0.0	-
15:04	-	0.0	15:04	0.0	0.0	-
15:05	-	0.0	15:05	0.0	0.0	-
15:06	-	0.0	15:06	0.0	0.0	-
15:07	-	0.0	15:07	0.0	0.0	-
15:08	-	0.0	15:08	0.0	0.0	-
15:09	-	0.0	15:09	0.0	0.0	-
15:10	-	0.0	15:10	0.0	0.0	-
15:11	-	0.0	15:11	0.0	0.0	-
15:12	-	0.0	15:12	0.0	0.0	-
15:13	-	0.0	15:13	0.0	0.0	-
15:14	-	0.0	15:14	0.0	0.0	-
15:15	-	0.0	15:15	0.0	0.0	-
15:16	-	0.0	15:16	0.0	0.0	-
15:17	-	0.0	15:17	0.0	0.0	-
15:18	-	0.0	15:18	0.0	0.0	-
15:19	-	0.0	15:19	0.0	0.0	-
15:20	-	0.0	15:20	0.0	0.0	-
15:21	-	0.0	15:21	0.0	0.0	-
15:22	-	0.0	15:22	0.0	0.0	-
15:23	-	0.0	15:23	0.0	0.0	-
15:24	-	0.0	15:24	0.0	0.0	-
15:25	-	0.0	15:25	0.0	0.0	-
15:26	-	0.0	15:26	0.0	0.0	-
15:27	-	0.0	15:27	0.0	0.0	-
15:28	-	0.0	15:28	0.0	0.0	-
15:29	-	0.0	15:29	0.0	0.0	-
15:30	-	0.0	15:30	0.0	0.0	-
15:31	-	0.0	15:31	0.0	0.0	-
15:32	-	0.0	15:32	0.0	0.0	-
15:33	-	0.0	15:33	0.0	0.0	-
15:34	-	0.0	15:34	0.0	0.0	-
15:35	-	0.0	15:35	0.0	0.0	-

LANGAN

687 Lenox Avenue (One45) - Phase 1
170635401
CAMP Data Summary

Date: 3/8/2024
Start: 6:53 AM
End: 11:59 AM
Observer: Camille Quick

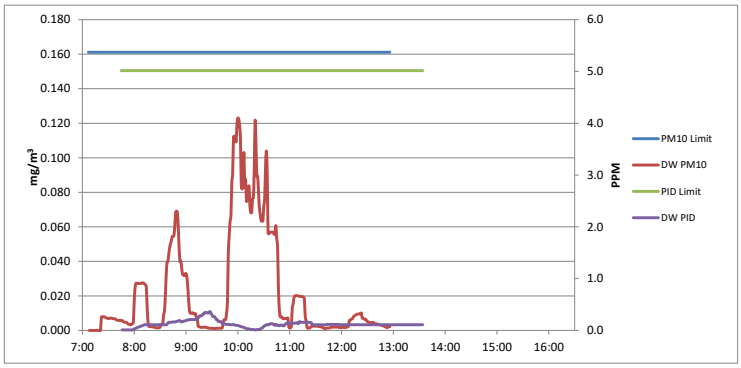
UPWIND - UW
DOWNWIND - DW

Particulate Monitoring		
	UW	**DW**
Minimum 15min Average	0.011	0.001
Maximum 15min Average	0.011	0.123
Exceedance (15min >.15)	NA	0
Minimum 1min Reading	0.010	0.000
Maximum 1min Reading	0.011	0.535

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise

Organic Vapor Monitoring		
	UW	**DW**
Daily Average	0.0	0.1
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.4
Exceedance (15min >5)	NA	0
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.7

NA - Not applicable, upwind unit used for background concentrations
All reported units are mg/m^3 or milligrams per cubic meter unless specified otherwise



Friday, March 8, 2024						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =						0
Number of Comparable Data Points =						335
170635401						6:53
End Time:						14:04
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
6:53	0.014		6:53			
6:54	0.012		6:54			
6:55	0.015		6:55			
6:56	0.012		6:56			
6:57	0.009		6:57			
6:58	0.013		6:58			
6:59	0.010		6:59			
7:00	0.011		7:00			
7:01	0.010		7:01			
7:02	0.010		7:02			
7:03	0.010		7:03			
7:04	0.010		7:04			
7:05	0.010		7:05			
7:06	0.011		7:06			
7:07	0.010	0.011	7:07			
7:08		0.011	7:08	0.011	-	
7:09	-	0.011	7:09	0.010	-	
7:10	-	0.011	7:10	0.009	-	
7:11	-	0.011	7:11	0.009	-	
7:12	-	0.011	7:12	0.009	-	
7:13	-	0.011	7:13	0.008	-	
7:14	-	0.011	7:14	0.008	-	
7:15	-	0.011	7:15	0.008	-	
7:16	-	0.011	7:16	0.007	-	
7:17	-	0.011	7:17	0.007	-	
7:18	-	0.011	7:18	0.006	-	
7:19	-	0.011	7:19	0.006	-	
7:20	-	0.011	7:20	0.007	-	
7:21	-	0.011	7:21	0.006	-	
7:22	-	0.011	7:22	0.006	0.008	-
7:23	-	0.011	7:23	0.013	0.008	-
7:24	-	0.011	7:24	0.010	0.008	-
7:25	-	0.011	7:25	0.009	0.008	-
7:26	-	0.011	7:26	0.005	0.008	-
7:27	-	0.011	7:27	0.006	0.007	-
7:28	-	0.011	7:28	0.005	0.007	-
7:29	-	0.011	7:29	0.005	0.007	-
7:30	-	0.011	7:30	0.005	0.007	-
7:31	-	0.011	7:31	0.007	0.007	-
7:32	-	0.011	7:32	0.011	0.007	-
7:33	-	0.011	7:33	0.006	0.007	-
7:34	-	0.011	7:34	0.005	0.007	-
7:35	-	0.011	7:35	0.004	0.007	-
7:36	-	0.011	7:36	0.004	0.007	-
7:37	-	0.011	7:37	0.008	0.007	-
7:38	-	0.011	7:38	0.010	0.007	-
7:39	-	0.011	7:39	0.004	0.006	-
7:40	-	0.011	7:40	0.004	0.006	-
7:41	-	0.011	7:41	0.004	0.006	-
7:42	-	0.011	7:42	0.005	0.006	-
7:43	-	0.011	7:43	0.004	0.006	-
7:44	-	0.011	7:44	0.008	0.006	-
7:45	-	0.011	7:45	0.002	0.006	-
7:46	-	0.011	7:46	0.008	0.006	-
7:47	-	0.011	7:47	0.002	0.005	-
7:48	-	0.011	7:48	0.002	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
7:49	-	0.011	7:49	0.003	0.005	-
7:50	-	0.011	7:50	0.003	0.005	-
7:51	-	0.011	7:51	0.002	0.005	-
7:52	-	0.011	7:52	0.002	0.004	-
7:53	-	0.011	7:53	0.002	0.004	-
7:54	-	0.011	7:54	0.002	0.004	-
7:55	-	0.011	7:55	0.002	0.003	-
7:56	-	0.011	7:56	0.001	0.003	-
7:57	-	0.011	7:57	0.011	0.004	-
7:58	-	0.011	7:58	0.009	0.004	-
7:59	-	0.011	7:59	0.017	0.005	-
8:00	-	0.011	8:00	0.183	0.017	-
8:01	-	0.011	8:01	0.129	0.025	-
8:02	-	0.011	8:02	0.042	0.027	-
8:03	-	0.011	8:03	0.002	0.027	-
8:04	-	0.011	8:04	0.002	0.027	-
8:05	-	0.011	8:05	0.001	0.027	-
8:06	-	0.011	8:06	0.004	0.027	-
8:07	-	0.011	8:07	0.001	0.027	-
8:08	-	0.011	8:08	0.002	0.027	-
8:09	-	0.011	8:09	0.006	0.027	-
8:10	-	0.011	8:10	0.002	0.027	-
8:11	-	0.011	8:11	0.001	0.027	-
8:12	-	0.011	8:12	0.003	0.027	-
8:13	-	0.011	8:13	0.001	0.026	-
8:14	-	0.011	8:14	0.003	0.025	-
8:15	-	0.011	8:15	0.001	0.013	-
8:16	-	0.011	8:16	0.003	0.005	-
8:17	-	0.011	8:17	0.002	0.002	-
8:18	-	0.011	8:18	0.002	0.002	-
8:19	-	0.011	8:19	0.001	0.002	-
8:20	-	0.011	8:20	0.001	0.002	-
8:21	-	0.011	8:21	0.001	0.002	-
8:22	-	0.011	8:22	0.002	0.002	-
8:23	-	0.011	8:23	0.001	0.002	-
8:24	-	0.011	8:24	0.001	0.002	-
8:25	-	0.011	8:25	0.001	0.002	-
8:26	-	0.011	8:26	0.001	0.002	-
8:27	-	0.011	8:27	0.001	0.001	-
8:28	-	0.011	8:28	0.001	0.001	-
8:29	-	0.011	8:29	0.005	0.002	-
8:30	-	0.011	8:30	0.006	0.002	-
8:31	-	0.011	8:31	0.025	0.003	-
8:32	-	0.011	8:32	0.003	0.003	-
8:33	-	0.011	8:33	0.002	0.003	-
8:34	-	0.011	8:34	0.081	0.009	-
8:35	-	0.011	8:35	0.033	0.011	-
8:36	-	0.011	8:36	0.128	0.019	-
8:37	-	0.011	8:37	0.183	0.031	-
8:38	-	0.011	8:38	0.120	0.039	-
8:39	-	0.011	8:39	0.010	0.040	-
8:40	-	0.011	8:40	0.062	0.044	-
8:41	-	0.011	8:41	0.056	0.048	-
8:42	-	0.011	8:42	0.039	0.050	-
8:43	-	0.011	8:43	0.023	0.052	-
8:44	-	0.011	8:44	0.045	0.054	-
8:45	-	0.011	8:45	0.006	0.054	-
8:46	-	0.011	8:46	0.034	0.055	-
8:47	-	0.011	8:47	0.081	0.060	-
8:48	-	0.011	8:48	0.124	0.068	-
8:49	-	0.011	8:49	0.093	0.069	-
8:50	-	0.011	8:50	0.024	0.069	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
8:51	-	0.011	8:51	0.000	0.060	-
8:52	-	0.011	8:52	0.001	0.048	-
8:53	-	0.011	8:53	0.001	0.040	-
8:54	-	0.011	8:54	0.014	0.040	-
8:55	-	0.011	8:55	0.001	0.036	-
8:56	-	0.011	8:56	0.000	0.032	-
8:57	-	0.011	8:57	0.037	0.032	-
8:58	-	0.011	8:58	0.015	0.032	-
8:59	-	0.011	8:59	0.058	0.033	-
9:00	-	0.011	9:00	0.011	0.033	-
9:01	-	0.011	9:01	0.002	0.031	-
9:02	-	0.011	9:02	0.005	0.026	-
9:03	-	0.011	9:03	0.002	0.018	-
9:04	-	0.011	9:04	0.000	0.011	-
9:05	-	0.011	9:05	0.002	0.010	-
9:06	-	0.011	9:06	0.000	0.010	-
9:07	-	0.011	9:07	0.004	0.010	-
9:08	-	0.011	9:08	0.002	0.010	-
9:09	-	0.011	9:09	0.005	0.010	-
9:10	-	0.011	9:10	0.001	0.010	-
9:11	-	0.011	9:11	0.002	0.010	-
9:12	-	0.011	9:12	0.003	0.007	-
9:13	-	0.011	9:13	0.001	0.007	-
9:14	-	0.011	9:14	0.001	0.003	-
9:15	-	0.011	9:15	0.002	0.002	-
9:16	-	0.011	9:16	0.001	0.002	-
9:17	-	0.011	9:17	0.001	0.002	-
9:18	-	0.011	9:18	0.001	0.002	-
9:19	-	0.011	9:19	0.002	0.002	-
9:20	-	0.011	9:20	0.001	0.002	-
9:21	-	0.011	9:21	0.002	0.002	-
9:22	-	0.011	9:22	0.003	0.002	-
9:23	-	0.011	9:23	0.001	0.002	-
9:24	-	0.011	9:24	0.001	0.002	-
9:25	-	0.011	9:25	0.001	0.002	-
9:26	-	0.011	9:26	0.000	0.001	-
9:27	-	0.011	9:27	0.000	0.001	-
9:28	-	0.011	9:28	0.002	0.001	-
9:29	-	0.011	9:29	0.001	0.001	-
9:30	-	0.011	9:30	0.001	0.001	-
9:31	-	0.011	9:31	0.001	0.001	-
9:32	-	0.011	9:32	0.000	0.001	-
9:33	-	0.011	9:33	0.001	0.001	-
9:34	-	0.011	9:34	0.001	0.001	-
9:35	-	0.011	9:35	0.004	0.001	-
9:36	-	0.011	9:36	0.002	0.001	-
9:37	-	0.011	9:37	0.002	0.001	-
9:38	-	0.011	9:38	0.002	0.001	-
9:39	-	0.011	9:39	0.001	0.001	-
9:40	-	0.011	9:40	0.001	0.001	-
9:41	-	0.011	9:41	0.001	0.001	-
9:42	-	0.011	9:42	0.001	0.001	-
9:43	-	0.011	9:43	0.045	0.004	-
9:44	-	0.011	9:44	0.030	0.006	-
9:45	-	0.011	9:45	0.000	0.006	-
9:46	-	0.011	9:46	0.006	0.006	-
9:47	-	0.011	9:47	0.058	0.010	-
9:48	-	0.011	9:48	0.098	0.017	-
9:49	-	0.011	9:49	0.431	0.045	-
9:50	-	0.011	9:50	0.143	0.055	-
9:51	-	0.011	9:51	0.129	0.063	-
9:52	-	0.011	9:52	0.044	0.066	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
9:53	-	0.011	9:53	0.299	0.086	-
9:54	-	0.011	9:54	0.077	0.091	-
9:55	-	0.011	9:55	0.323	0.112	-
9:56	-	0.011	9:56	0.002	0.112	-
9:57	-	0.011	9:57	0.001	0.112	-
9:58	-	0.011	9:58	0.000	0.109	-
9:59	-	0.011	9:59	0.178	0.119	-
10:00	-	0.011	10:00	0.056	0.123	-
10:01	-	0.011	10:01	0.000	0.123	-
10:02	-	0.011	10:02	0.000	0.119	-
10:03	-	0.011	10:03	0.000	0.112	-
10:04	-	0.011	10:04	0.001	0.084	-
10:05	-	0.011	10:05	0.118	0.082	-
10:06	-	0.011	10:06	0.200	0.087	-
10:07	-	0.011	10:07	0.291	0.103	-
10:08	-	0.011	10:08	0.000	0.083	-
10:09	-	0.011	10:09	0.144	0.088	-
10:10	-	0.011	10:10	0.134	0.075	-
10:11	-	0.011	10:11	0.058	0.079	-
10:12	-	0.011	10:12	0.070	0.083	-
10:13	-	0.011	10:13	0.005	0.084	-
10:14	-	0.011	10:14	0.001	0.072	-
10:15	-	0.011	10:15	0.001	0.068	-
10:16	-	0.011	10:16	0.001	0.068	-
10:17	-	0.011	10:17	0.120	0.076	-
10:18	-	0.011	10:18	0.010	0.077	-
10:19	-	0.011	10:19	0.252	0.094	-
10:20	-	0.011	10:20	0.535	0.121	-
10:21	-	0.011	10:21	0.005	0.108	-
10:22	-	0.011	10:22	0.001	0.089	-
10:23	-	0.011	10:23	0.001	0.089	-
10:24	-	0.011	10:24	0.001	0.080	-
10:25	-	0.011	10:25	0.000	0.071	-
10:26	-	0.011	10:26	0.005	0.067	-
10:27	-	0.011	10:27	0.015	0.064	-
10:28	-	0.011	10:28	0.002	0.063	-
10:29	-	0.011	10:29	0.001	0.063	-
10:30	-	0.011	10:30	0.129	0.072	-
10:31	-	0.011	10:31	0.060	0.076	-
10:32	-	0.011	10:32	0.377	0.093	-
10:33	-	0.011	10:33	0.175	0.104	-
10:34	-	0.011	10:34	0.070	0.092	-
10:35	-	0.011	10:35	0.002	0.056	-
10:36	-	0.011	10:36	0.000	0.056	-
10:37	-	0.011	10:37	0.015	0.057	-
10:38	-	0.011	10:38	0.001	0.057	-
10:39	-	0.011	10:39	0.002	0.057	-
10:40	-	0.011	10:40	0.001	0.057	-
10:41	-	0.011	10:41	0.000	0.057	-
10:42	-	0.011	10:42	0.001	0.056	-
10:43	-	0.011	10:43	0.001	0.056	-
10:44	-	0.011	10:44	0.077	0.061	-
10:45	-	0.011	10:45	0.014	0.053	-
10:46	-	0.011	10:46	0.001	0.049	-
10:47	-	0.011	10:47	0.001	0.024	-
10:48	-	0.011	10:48	0.001	0.012	-
10:49	-	0.011	10:49	0.001	0.008	-
10:50	-	0.011	10:50	0.001	0.008	-
10:51	-	0.011	10:51	0.000	0.008	-
10:52	-	0.011	10:52	0.001	0.007	-
10:53	-	0.011	10:53	0.001	0.007	-
10:54	-	0.011	10:54	0.002	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
10:55	-	0.011	10:55	0.002	0.007	-
10:56	-	0.011	10:56	0.001	0.007	-
10:57	-	0.011	10:57	0.002	0.007	-
10:58	-	0.011	10:58	0.002	0.007	-
10:59	-	0.011	10:59	0.001	0.002	-
11:00	-	0.011	11:00	0.003	0.001	-
11:01	-	0.011	11:01	0.005	0.002	-
11:02	-	0.011	11:02	0.010	0.002	-
11:03	-	0.011	11:03	0.162	0.013	-
11:04	-	0.011	11:04	0.035	0.015	-
11:05	-	0.011	11:05	0.058	0.019	-
11:06	-	0.011	11:06	0.014	0.020	-
11:07	-	0.011	11:07	0.004	0.020	-
11:08	-	0.011	11:08	0.002	0.020	-
11:09	-	0.011	11:09	0.000	0.020	-
11:10	-	0.011	11:10	0.000	0.020	-
11:11	-	0.011	11:11	0.000	0.020	-
11:12	-	0.011	11:12	0.000	0.020	-
11:13	-	0.011	11:13	0.000	0.020	-
11:14	-	0.011	11:14	0.002	0.020	-
11:15	-	0.011	11:15	0.001	0.020	-
11:16	-	0.011	11:16	0.001	0.019	-
11:17	-	0.011	11:17	0.002	0.019	-
11:18	-	0.011	11:18	0.002	0.008	-
11:19	-	0.011	11:19	0.002	0.006	-
11:20	-	0.011	11:20	0.002	0.002	-
11:21	-	0.011	11:21	0.001	0.001	-
11:22	-	0.011	11:22	0.006	0.001	-
11:23	-	0.011	11:23	0.002	0.001	-
11:24	-	0.011	11:24	0.005	0.002	-
11:25	-	0.011	11:25	0.008	0.002	-
11:26	-	0.011	11:26	0.001	0.002	-
11:27	-	0.011	11:27	0.002	0.002	-
11:28	-	0.011	11:28	0.001	0.003	-
11:29	-	0.011	11:29	0.001	0.002	-
11:30	-	0.011	11:30	0.002	0.003	-
11:31	-	0.011	11:31	0.000	0.002	-
11:32	-	0.011	11:32	0.001	0.002	-
11:33	-	0.011	11:33	0.001	0.002	-
11:34	-	0.011	11:34	0.001	0.002	-
11:35	-	0.011	11:35	0.001	0.002	-
11:36	-	0.011	11:36	0.001	0.002	-
11:37	-	0.011	11:37	0.001	0.002	-
11:38	-	0.011	11:38	0.001	0.002	-
11:39	-	0.011	11:39	0.001	0.002	-
11:40	-	0.011	11:40	0.001	0.001	-
11:41	-	0.011	11:41	0.001	0.001	-
11:42	-	0.011	11:42	0.005	0.001	-
11:43	-	0.011	11:43	0.003	0.001	-
11:44	-	0.011	11:44	0.001	0.001	-
11:45	-	0.011	11:45	0.002	0.001	-
11:46	-	0.011	11:46	0.001	0.001	-
11:47	-	0.011	11:47	0.002	0.002	-
11:48	-	0.011	11:48	0.005	0.002	-
11:49	-	0.011	11:49	0.002	0.002	-
11:50	-	0.011	11:50	0.002	0.002	-
11:51	-	0.011	11:51	0.001	0.002	-
11:52	-	0.011	11:52	0.001	0.002	-
11:53	-	0.011	11:53	0.001	0.002	-
11:54	-	0.011	11:54	0.001	0.002	-
11:55	-	0.011	11:55	0.001	0.002	-
11:56	-	0.011	11:56	0.002	0.002	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	Concentration (mg/m^3)	45359.0	Time	Concentration (mg/m^3)	15-Minute Average	
11:57	-	0.011	11:57	0.001	0.002	-
11:58	-	0.011	11:58	0.001	0.002	-
11:59	-	0.011	11:59	0.002	0.002	-
12:00	-	0.011	12:00	0.002	0.002	-
12:01	-	0.011	12:01	0.002	0.002	-
12:02	-	0.011	12:02	0.003	0.002	-
12:03	-	0.011	12:03	0.003	0.002	-
12:04	-	0.011	12:04	0.002	0.002	-
12:05	-	0.011	12:05	0.003	0.002	-
12:06	-	0.011	12:06	0.003	0.002	-
12:07	-	0.011	12:07	0.005	0.002	-
12:08	-	0.011	12:08	0.003	0.002	-
12:09	-	0.011	12:09	0.052	0.006	-
12:10	-	0.011	12:10	0.005	0.006	-
12:11	-	0.011	12:11	0.008	0.006	-
12:12	-	0.011	12:12	0.006	0.007	-
12:13	-	0.011	12:13	0.006	0.007	-
12:14	-	0.011	12:14	0.017	0.008	-
12:15	-	0.011	12:15	0.008	0.008	-
12:16	-	0.011	12:16	0.008	0.009	-
12:17	-	0.011	12:17	0.008	0.009	-
12:18	-	0.011	12:18	0.006	0.009	-
12:19	-	0.011	12:19	0.004	0.009	-
12:20	-	0.011	12:20	0.004	0.010	-
12:21	-	0.011	12:21	0.004	0.010	-
12:22	-	0.011	12:22	0.003	0.009	-
12:23	-	0.011	12:23	0.012	0.010	-
12:24	-	0.011	12:24	0.008	0.007	-
12:25	-	0.011	12:25	0.004	0.007	-
12:26	-	0.011	12:26	0.003	0.007	-
12:27	-	0.011	12:27	0.003	0.007	-
12:28	-	0.011	12:28	0.006	0.007	-
12:29	-	0.011	12:29	0.003	0.006	-
12:30	-	0.011	12:30	0.003	0.005	-
12:31	-	0.011	12:31	0.003	0.005	-
12:32	-	0.011	12:32	0.004	0.005	-
12:33	-	0.011	12:33	0.004	0.005	-
12:34	-	0.011	12:34	0.004	0.005	-
12:35	-	0.011	12:35	0.004	0.005	-
12:36	-	0.011	12:36	0.005	0.005	-
12:37	-	0.011	12:37	0.004	0.005	-
12:38	-	0.011	12:38	0.005	0.004	-
12:39	-	0.011	12:39	0.003	0.004	-
12:40	-	0.011	12:40	0.003	0.004	-
12:41	-	0.011	12:41	0.003	0.004	-
12:42	-	0.011	12:42	0.001	0.004	-
12:43	-	0.011	12:43	0.001	0.003	-
12:44	-	0.011	12:44	0.002	0.003	-
12:45	-	0.011	12:45	0.001	0.003	-
12:46	-	0.011	12:46	0.002	0.003	-
12:47	-	0.011	12:47	0.001	0.003	-
12:48	-	0.011	12:48	0.001	0.003	-
12:49	-	0.011	12:49	0.001	0.002	-
12:50	-	0.011	12:50	0.001	0.002	-
12:51	-	0.011	12:51	0.001	0.002	-
12:52	-	0.011	12:52	0.001	0.002	-
12:53	-	0.011	12:53	0.002	0.002	-
12:54	-	0.011	12:54	0.008	0.002	-
12:55	-	0.011	12:55	0.007	0.002	-
12:56	-	0.011	12:56	0.002	0.002	-

Friday, March 8, 2024						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =						0
Number of Comparable Data Points =						349
170635401						7:31
End Time:						13:21
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
7:31	0.0		7:31			
7:32	0.0		7:32			
7:33	0.0		7:33			
7:34	0.0		7:34			
7:35	0.0		7:35			
7:36	0.0		7:36			
7:37	0.0		7:37			
7:38	0.0		7:38			
7:39	0.0		7:39			
7:40	0.0		7:40			
7:41	0.1		7:41			
7:42	0.0		7:42			
7:43	0.0		7:43			
7:44	0.0		7:44			
7:45	0.0	0.0	7:45			
7:46	-	0.0	7:46	0.0	-	-
7:47	-	0.0	7:47	0.0	-	-
7:48	-	0.0	7:48	0.0	-	-
7:49	-	0.0	7:49	0.0	-	-
7:50	-	0.0	7:50	0.0	-	-
7:51	-	0.0	7:51	0.0	-	-
7:52	-	0.0	7:52	0.0	-	-
7:53	-	0.0	7:53	0.0	-	-
7:54	-	0.0	7:54	0.0	-	-
7:55	-	0.0	7:55	0.0	-	-
7:56	-	0.0	7:56	0.0	-	-
7:57	-	0.0	7:57	0.0	-	-
7:58	-	0.0	7:58	0.1	-	-
7:59	-	0.0	7:59	0.1	-	-
8:00	-	0.0	8:00	0.1	0.0	-
8:01	-	0.0	8:01	0.1	0.0	-
8:02	-	0.0	8:02	0.1	0.0	-
8:03	-	0.0	8:03	0.1	0.0	-
8:04	-	0.0	8:04	0.1	0.0	-
8:05	-	0.0	8:05	0.1	0.1	-
8:06	-	0.0	8:06	0.1	0.1	-
8:07	-	0.0	8:07	0.1	0.1	-
8:08	-	0.0	8:08	0.1	0.1	-
8:09	-	0.0	8:09	0.1	0.1	-
8:10	-	0.0	8:10	0.1	0.1	-
8:11	-	0.0	8:11	0.1	0.1	-
8:12	-	0.0	8:12	0.1	0.1	-
8:13	-	0.0	8:13	0.1	0.1	-
8:14	-	0.0	8:14	0.1	0.1	-
8:15	-	0.0	8:15	0.1	0.1	-
8:16	-	0.0	8:16	0.1	0.1	-
8:17	-	0.0	8:17	0.1	0.1	-
8:18	-	0.0	8:18	0.1	0.1	-
8:19	-	0.0	8:19	0.1	0.1	-
8:20	-	0.0	8:20	0.1	0.1	-
8:21	-	0.0	8:21	0.1	0.1	-
8:22	-	0.0	8:22	0.1	0.1	-
8:23	-	0.0	8:23	0.1	0.1	-
8:24	-	0.0	8:24	0.1	0.1	-
8:25	-	0.0	8:25	0.1	0.1	-
8:26	-	0.0	8:26	0.1	0.1	-
8:27	-	0.0	8:27	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
8:28	-	0.0	8:28	0.1	0.1	-
8:29	-	0.0	8:29	0.1	0.1	-
8:30	-	0.0	8:30	0.1	0.1	-
8:31	-	0.0	8:31	0.1	0.1	-
8:32	-	0.0	8:32	0.1	0.1	-
8:33	-	0.0	8:33	0.1	0.1	-
8:34	-	0.0	8:34	0.1	0.1	-
8:35	-	0.0	8:35	0.1	0.1	-
8:36	-	0.0	8:36	0.1	0.1	-
8:37	-	0.0	8:37	0.1	0.1	-
8:38	-	0.0	8:38	0.2	0.1	-
8:39	-	0.0	8:39	0.5	0.1	-
8:40	-	0.0	8:40	0.3	0.1	-
8:41	-	0.0	8:41	0.1	0.1	-
8:42	-	0.0	8:42	0.1	0.1	-
8:43	-	0.0	8:43	0.1	0.1	-
8:44	-	0.0	8:44	0.2	0.2	-
8:45	-	0.0	8:45	0.1	0.2	-
8:46	-	0.0	8:46	0.1	0.2	-
8:47	-	0.0	8:47	0.1	0.2	-
8:48	-	0.0	8:48	0.2	0.2	-
8:49	-	0.0	8:49	0.1	0.2	-
8:50	-	0.0	8:50	0.2	0.2	-
8:51	-	0.0	8:51	0.2	0.2	-
8:52	-	0.0	8:52	0.2	0.2	-
8:53	-	0.0	8:53	0.2	0.2	-
8:54	-	0.0	8:54	0.2	0.2	-
8:55	-	0.0	8:55	0.2	0.2	-
8:56	-	0.0	8:56	0.2	0.2	-
8:57	-	0.0	8:57	0.2	0.2	-
8:58	-	0.0	8:58	0.2	0.2	-
8:59	-	0.0	8:59	0.2	0.2	-
9:00	-	0.0	9:00	0.2	0.2	-
9:01	-	0.0	9:01	0.2	0.2	-
9:02	-	0.0	9:02	0.2	0.2	-
9:03	-	0.0	9:03	0.2	0.2	-
9:04	-	0.0	9:04	0.2	0.2	-
9:05	-	0.0	9:05	0.2	0.2	-
9:06	-	0.0	9:06	0.2	0.2	-
9:07	-	0.0	9:07	0.2	0.2	-
9:08	-	0.0	9:08	0.2	0.2	-
9:09	-	0.0	9:09	0.2	0.2	-
9:10	-	0.0	9:10	0.2	0.2	-
9:11	-	0.0	9:11	0.2	0.2	-
9:12	-	0.0	9:12	0.2	0.2	-
9:13	-	0.0	9:13	0.2	0.2	-
9:14	-	0.0	9:14	0.7	0.2	-
9:15	-	0.0	9:15	0.4	0.2	-
9:16	-	0.0	9:16	0.6	0.3	-
9:17	-	0.0	9:17	0.2	0.3	-
9:18	-	0.0	9:18	0.2	0.3	-
9:19	-	0.0	9:19	0.4	0.3	-
9:20	-	0.0	9:20	0.6	0.3	-
9:21	-	0.0	9:21	0.2	0.3	-
9:22	-	0.0	9:22	0.6	0.3	-
9:23	-	0.0	9:23	0.1	0.3	-
9:24	-	0.0	9:24	0.2	0.3	-
9:25	-	0.0	9:25	0.1	0.3	-
9:26	-	0.0	9:26	0.2	0.3	-
9:27	-	0.0	9:27	0.5	0.3	-
9:28	-	0.0	9:28	0.3	0.4	-
9:29	-	0.0	9:29	0.1	0.3	-
9:30	-	0.0	9:30	0.1	0.3	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
9:31	-	0.0	9:31	0.1	0.3	-
9:32	-	0.0	9:32	0.2	0.3	-
9:33	-	0.0	9:33	0.1	0.3	-
9:34	-	0.0	9:34	0.1	0.2	-
9:35	-	0.0	9:35	0.1	0.2	-
9:36	-	0.0	9:36	0.2	0.2	-
9:37	-	0.0	9:37	0.1	0.2	-
9:38	-	0.0	9:38	0.1	0.2	-
9:39	-	0.0	9:39	0.1	0.2	-
9:40	-	0.0	9:40	0.1	0.2	-
9:41	-	0.0	9:41	0.1	0.2	-
9:42	-	0.0	9:42	0.1	0.1	-
9:43	-	0.0	9:43	0.1	0.1	-
9:44	-	0.0	9:44	0.1	0.1	-
9:45	-	0.0	9:45	0.1	0.1	-
9:46	-	0.0	9:46	0.1	0.1	-
9:47	-	0.0	9:47	0.1	0.1	-
9:48	-	0.0	9:48	0.1	0.1	-
9:49	-	0.0	9:49	0.1	0.1	-
9:50	-	0.0	9:50	0.1	0.1	-
9:51	-	0.0	9:51	0.1	0.1	-
9:52	-	0.0	9:52	0.1	0.1	-
9:53	-	0.0	9:53	0.1	0.1	-
9:54	-	0.0	9:54	0.1	0.1	-
9:55	-	0.0	9:55	0.1	0.1	-
9:56	-	0.0	9:56	0.1	0.1	-
9:57	-	0.0	9:57	0.0	0.1	-
9:58	-	0.0	9:58	0.0	0.1	-
9:59	-	0.0	9:59	0.1	0.1	-
10:00	-	0.0	10:00	0.1	0.1	-
10:01	-	0.0	10:01	0.0	0.1	-
10:02	-	0.0	10:02	0.0	0.1	-
10:03	-	0.0	10:03	0.0	0.1	-
10:04	-	0.0	10:04	0.0	0.1	-
10:05	-	0.0	10:05	0.1	0.1	-
10:06	-	0.0	10:06	0.0	0.1	-
10:07	-	0.0	10:07	0.0	0.0	-
10:08	-	0.0	10:08	0.0	0.0	-
10:09	-	0.0	10:09	0.0	0.0	-
10:10	-	0.0	10:10	0.0	0.0	-
10:11	-	0.0	10:11	0.0	0.0	-
10:12	-	0.0	10:12	0.0	0.0	-
10:13	-	0.0	10:13	0.0	0.0	-
10:14	-	0.0	10:14	0.0	0.0	-
10:15	-	0.0	10:15	0.0	0.0	-
10:16	-	0.0	10:16	0.0	0.0	-
10:17	-	0.0	10:17	0.0	0.0	-
10:18	-	0.0	10:18	0.0	0.0	-
10:19	-	0.0	10:19	0.0	0.0	-
10:20	-	0.0	10:20	0.0	0.0	-
10:21	-	0.0	10:21	0.0	0.0	-
10:22	-	0.0	10:22	0.1	0.0	-
10:23	-	0.0	10:23	0.0	0.0	-
10:24	-	0.0	10:24	0.0	0.0	-
10:25	-	0.0	10:25	0.0	0.0	-
10:26	-	0.0	10:26	0.2	0.0	-
10:27	-	0.0	10:27	0.1	0.0	-
10:28	-	0.0	10:28	0.2	0.0	-
10:29	-	0.0	10:29	0.1	0.0	-
10:30	-	0.0	10:30	0.3	0.1	-
10:31	-	0.0	10:31	0.2	0.1	-
10:32	-	0.0	10:32	0.1	0.1	-
10:33	-	0.0	10:33	0.2	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
10:34	-	0.0	10:34	0.0	0.1	-
10:35	-	0.0	10:35	0.0	0.1	-
10:36	-	0.0	10:36	0.0	0.1	-
10:37	-	0.0	10:37	0.3	0.1	-
10:38	-	0.0	10:38	0.1	0.1	-
10:39	-	0.0	10:39	0.0	0.1	-
10:40	-	0.0	10:40	0.0	0.1	-
10:41	-	0.0	10:41	0.0	0.1	-
10:42	-	0.0	10:42	0.0	0.1	-
10:43	-	0.0	10:43	0.0	0.1	-
10:44	-	0.0	10:44	0.4	0.1	-
10:45	-	0.0	10:45	0.2	0.1	-
10:46	-	0.0	10:46	0.0	0.1	-
10:47	-	0.0	10:47	0.1	0.1	-
10:48	-	0.0	10:48	0.1	0.1	-
10:49	-	0.0	10:49	0.1	0.1	-
10:50	-	0.0	10:50	0.1	0.1	-
10:51	-	0.0	10:51	0.0	0.1	-
10:52	-	0.0	10:52	0.1	0.1	-
10:53	-	0.0	10:53	0.1	0.1	-
10:54	-	0.0	10:54	0.1	0.1	-
10:55	-	0.0	10:55	0.4	0.1	-
10:56	-	0.0	10:56	0.1	0.1	-
10:57	-	0.0	10:57	0.1	0.1	-
10:58	-	0.0	10:58	0.3	0.1	-
10:59	-	0.0	10:59	0.1	0.1	-
11:00	-	0.0	11:00	0.1	0.1	-
11:01	-	0.0	11:01	0.1	0.1	-
11:02	-	0.0	11:02	0.1	0.1	-
11:03	-	0.0	11:03	0.1	0.1	-
11:04	-	0.0	11:04	0.1	0.1	-
11:05	-	0.0	11:05	0.1	0.1	-
11:06	-	0.0	11:06	0.1	0.1	-
11:07	-	0.0	11:07	0.1	0.1	-
11:08	-	0.0	11:08	0.1	0.1	-
11:09	-	0.0	11:09	0.2	0.1	-
11:10	-	0.0	11:10	0.1	0.1	-
11:11	-	0.0	11:11	0.6	0.2	-
11:12	-	0.0	11:12	0.2	0.2	-
11:13	-	0.0	11:13	0.1	0.1	-
11:14	-	0.0	11:14	0.1	0.1	-
11:15	-	0.0	11:15	0.1	0.1	-
11:16	-	0.0	11:16	0.1	0.1	-
11:17	-	0.0	11:17	0.1	0.1	-
11:18	-	0.0	11:18	0.1	0.1	-
11:19	-	0.0	11:19	0.1	0.1	-
11:20	-	0.0	11:20	0.1	0.1	-
11:21	-	0.0	11:21	0.1	0.1	-
11:22	-	0.0	11:22	0.1	0.1	-
11:23	-	0.0	11:23	0.1	0.1	-
11:24	-	0.0	11:24	0.1	0.1	-
11:25	-	0.0	11:25	0.1	0.1	-
11:26	-	0.0	11:26	0.1	0.1	-
11:27	-	0.0	11:27	0.1	0.1	-
11:28	-	0.0	11:28	0.1	0.1	-
11:29	-	0.0	11:29	0.1	0.1	-
11:30	-	0.0	11:30	0.1	0.1	-
11:31	-	0.0	11:31	0.1	0.1	-
11:32	-	0.0	11:32	0.1	0.1	-
11:33	-	0.0	11:33	0.1	0.1	-
11:34	-	0.0	11:34	0.1	0.1	-
11:35	-	0.0	11:35	0.1	0.1	-
11:36	-	0.0	11:36	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
11:37	-	0.0	11:37	0.1	0.1	-
11:38	-	0.0	11:38	0.1	0.1	-
11:39	-	0.0	11:39	0.1	0.1	-
11:40	-	0.0	11:40	0.1	0.1	-
11:41	-	0.0	11:41	0.1	0.1	-
11:42	-	0.0	11:42	0.1	0.1	-
11:43	-	0.0	11:43	0.2	0.1	-
11:44	-	0.0	11:44	0.1	0.1	-
11:45	-	0.0	11:45	0.1	0.1	-
11:46	-	0.0	11:46	0.1	0.1	-
11:47	-	0.0	11:47	0.1	0.1	-
11:48	-	0.0	11:48	0.1	0.1	-
11:49	-	0.0	11:49	0.1	0.1	-
11:50	-	0.0	11:50	0.1	0.1	-
11:51	-	0.0	11:51	0.1	0.1	-
11:52	-	0.0	11:52	0.1	0.1	-
11:53	-	0.0	11:53	0.1	0.1	-
11:54	-	0.0	11:54	0.1	0.1	-
11:55	-	0.0	11:55	0.1	0.1	-
11:56	-	0.0	11:56	0.1	0.1	-
11:57	-	0.0	11:57	0.1	0.1	-
11:58	-	0.0	11:58	0.1	0.1	-
11:59	-	0.0	11:59	0.1	0.1	-
12:00	-	0.0	12:00	0.1	0.1	-
12:01	-	0.0	12:01	0.1	0.1	-
12:02	-	0.0	12:02	0.1	0.1	-
12:03	-	0.0	12:03	0.1	0.1	-
12:04	-	0.0	12:04	0.1	0.1	-
12:05	-	0.0	12:05	0.1	0.1	-
12:06	-	0.0	12:06	0.1	0.1	-
12:07	-	0.0	12:07	0.1	0.1	-
12:08	-	0.0	12:08	0.1	0.1	-
12:09	-	0.0	12:09	0.1	0.1	-
12:10	-	0.0	12:10	0.1	0.1	-
12:11	-	0.0	12:11	0.1	0.1	-
12:12	-	0.0	12:12	0.1	0.1	-
12:13	-	0.0	12:13	0.1	0.1	-
12:14	-	0.0	12:14	0.1	0.1	-
12:15	-	0.0	12:15	0.1	0.1	-
12:16	-	0.0	12:16	0.1	0.1	-
12:17	-	0.0	12:17	0.1	0.1	-
12:18	-	0.0	12:18	0.1	0.1	-
12:19	-	0.0	12:19	0.1	0.1	-
12:20	-	0.0	12:20	0.1	0.1	-
12:21	-	0.0	12:21	0.1	0.1	-
12:22	-	0.0	12:22	0.1	0.1	-
12:23	-	0.0	12:23	0.1	0.1	-
12:24	-	0.0	12:24	0.1	0.1	-
12:25	-	0.0	12:25	0.1	0.1	-
12:26	-	0.0	12:26	0.1	0.1	-
12:27	-	0.0	12:27	0.1	0.1	-
12:28	-	0.0	12:28	0.1	0.1	-
12:29	-	0.0	12:29	0.1	0.1	-
12:30	-	0.0	12:30	0.1	0.1	-
12:31	-	0.0	12:31	0.1	0.1	-
12:32	-	0.0	12:32	0.1	0.1	-
12:33	-	0.0	12:33	0.1	0.1	-
12:34	-	0.0	12:34	0.1	0.1	-
12:35	-	0.0	12:35	0.1	0.1	-
12:36	-	0.0	12:36	0.1	0.1	-
12:37	-	0.0	12:37	0.1	0.1	-
12:38	-	0.0	12:38	0.1	0.1	-
12:39	-	0.0	12:39	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	45359.0	Time	VOC (ppm)	15-Minute Average	
12:40	-	0.0	12:40	0.1	0.1	-
12:41	-	0.0	12:41	0.1	0.1	-
12:42	-	0.0	12:42	0.1	0.1	-
12:43	-	0.0	12:43	0.1	0.1	-
12:44	-	0.0	12:44	0.1	0.1	-
12:45	-	0.0	12:45	0.1	0.1	-
12:46	-	0.0	12:46	0.1	0.1	-
12:47	-	0.0	12:47	0.1	0.1	-
12:48	-	0.0	12:48	0.1	0.1	-
12:49	-	0.0	12:49	0.1	0.1	-
12:50	-	0.0	12:50	0.1	0.1	-
12:51	-	0.0	12:51	0.1	0.1	-
12:52	-	0.0	12:52	0.1	0.1	-
12:53	-	0.0	12:53	0.1	0.1	-
12:54	-	0.0	12:54	0.1	0.1	-
12:55	-	0.0	12:55	0.1	0.1	-
12:56	-	0.0	12:56	0.1	0.1	-
12:57	-	0.0	12:57	0.1	0.1	-
12:58	-	0.0	12:58	0.1	0.1	-
12:59	-	0.0	12:59	0.1	0.1	-
13:00	-	0.0	13:00	0.1	0.1	-
13:01	-	0.0	13:01	0.1	0.1	-
13:02	-	0.0	13:02	0.1	0.1	-
13:03	-	0.0	13:03	0.1	0.1	-
13:04	-	0.0	13:04	0.1	0.1	-
13:05	-	0.0	13:05	0.1	0.1	-
13:06	-	0.0	13:06	0.1	0.1	-
13:07	-	0.0	13:07	0.1	0.1	-
13:08	-	0.0	13:08	0.1	0.1	-
13:09	-	0.0	13:09	0.1	0.1	-
13:10	-	0.0	13:10	0.1	0.1	-
13:11	-	0.0	13:11	0.1	0.1	-
13:12	-	0.0	13:12	0.1	0.1	-
13:13	-	0.0	13:13	0.1	0.1	-
13:14	-	0.0	13:14	0.1	0.1	-
13:15	-	0.0	13:15	0.1	0.1	-
13:16	-	0.0	13:16	0.1	0.1	-
13:17	-	0.0	13:17	0.1	0.1	-
13:18	-	0.0	13:18	0.1	0.1	-
13:19	-	0.0	13:19	0.1	0.1	-
13:20	-	0.0	13:20	0.1	0.1	-
13:21	-	0.0	13:21	0.1	0.1	-
13:22	-	0.0	13:22	0.1	0.1	-
13:23	-	0.0	13:23	0.1	0.1	-
13:24	-	0.0	13:24	0.1	0.1	-
13:25	-	0.0	13:25	0.1	0.1	-
13:26	-	0.0	13:26	0.1	0.1	-
13:27	-	0.0	13:27	0.1	0.1	-
13:28	-	0.0	13:28	0.1	0.1	-
13:29	-	0.0	13:29	0.1	0.1	-
13:30	-	0.0	13:30	0.1	0.1	-
13:31	-	0.0	13:31	0.1	0.1	-
13:32	-	0.0	13:32	0.1	0.1	-
13:33	-	0.0	13:33	0.1	0.1	-
13:34	-	0.0	13:34	0.1	0.1	-

APPENDIX E

GEOPHYSICAL SURVEY REPORTS

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Sites- Phase I
691 Lenox Avenue,
New York, New York 10037

NOVA PROJECT NUMBER:
23-3043

DATED:
February 9, 2023

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727
www.novagsi.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
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NOVA GEOPHYSICAL SERVICES

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February 9, 2023

Kaitlyn Gioia
Senior Staff Scientist
LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727
Direct: 212.479.5531
Mobile: 516.913.3464
E: kgioia@langan.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Sites- Phase I
111 Washington Street
New York, New York 10037
Langan Project# 170635401

Dear Ms. Gioia.

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project sites: Phase I: 691 Lenox Avenue, New York, New York (the "Site")

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs) and other substructures within the vicinity of proposed boring locations on February 6th, 2023.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter

electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

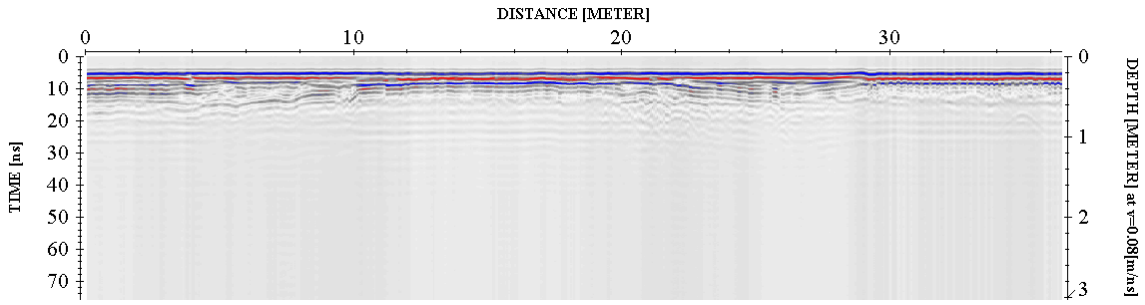
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

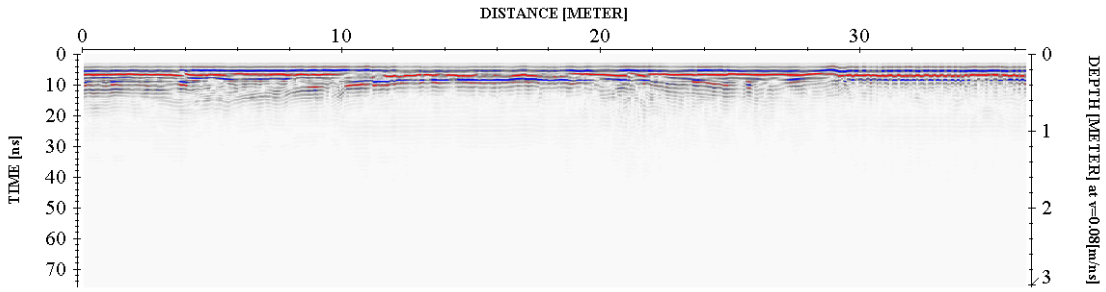
DATA PROCESSING

To improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

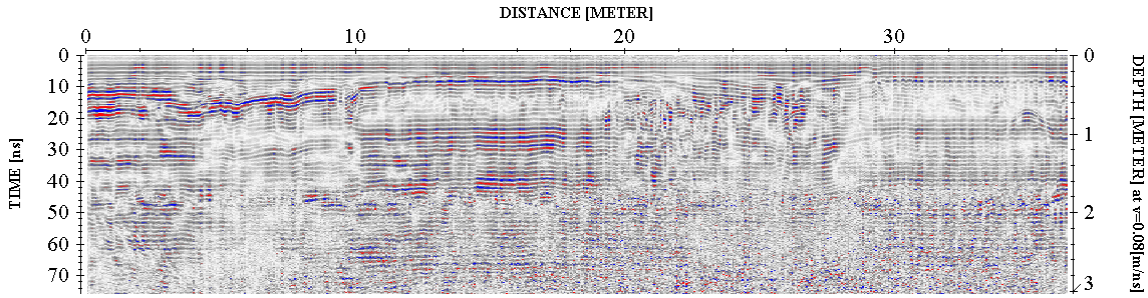
Step 1. Import Raw RAMAC data to standard processing format



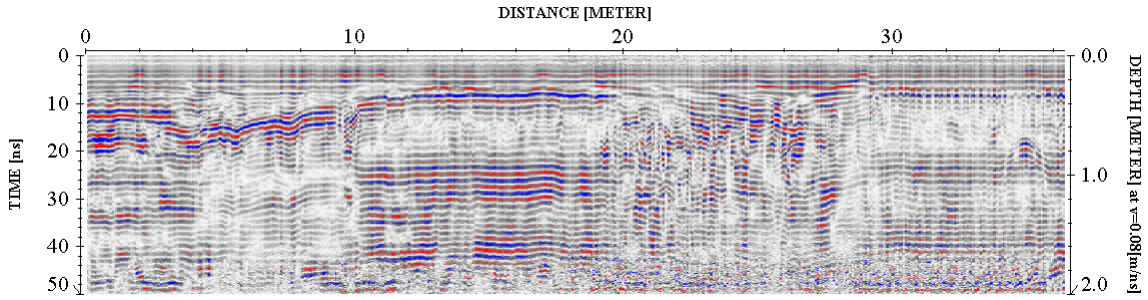
Step 2. Remove instrument noise *(dewow)*



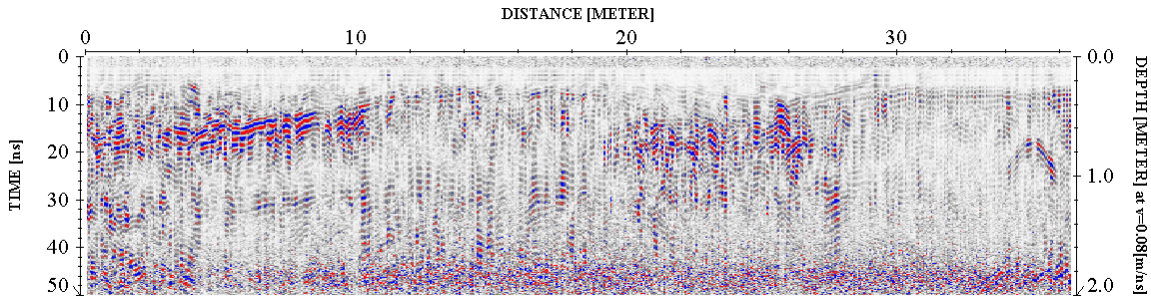
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Clear

Temperature: 45° F

Surface: Asphalt, Concrete, Gravel, Tile, Linoleum

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 3'. Additional GPR data was collected over features of interest. An EM utility locator was used in conjunction with GPR throughout the survey areas.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment, metallic objects within the survey area, and other unknown anthropogenic noise sources. Portions of the site were covered with immobile objects at the time of the survey and could not be adequately surveyed.

RESULTS

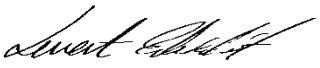
The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric, water, and sewer) were identified within the surveyed areas. Additional anomalies resembling subsurface piping were identified but could not be connected to known utilities. The approximate locations are shown in the survey plan.
- All cleared boring locations are shown in the survey plan. NOVA recommends that all borings in the sidewalk of the site and inside of the active gas station pump area are soft dug prior to drilling.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

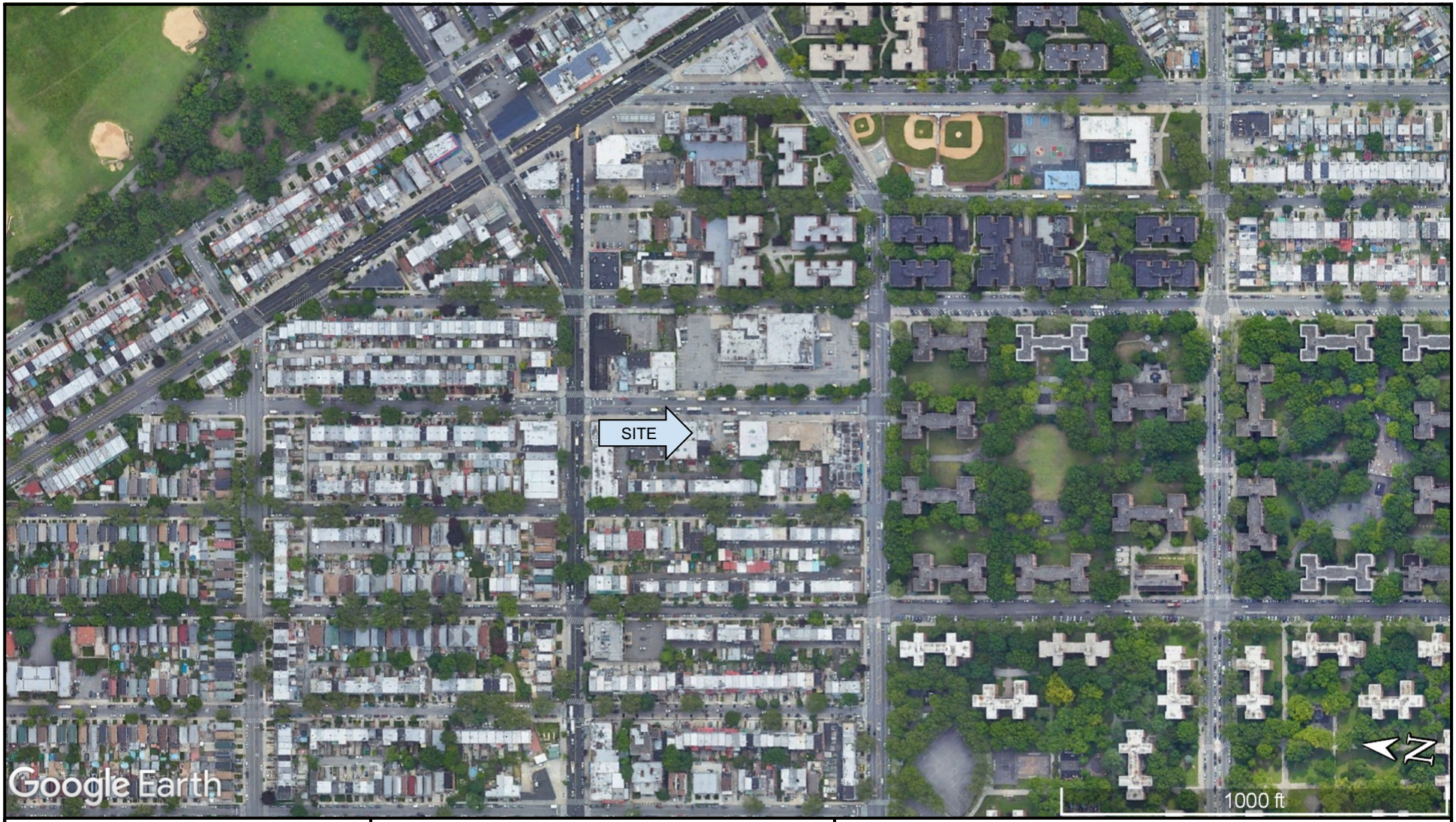
Project Engineer

Attachments:

Location Map

Survey Plan

Geophysical Images

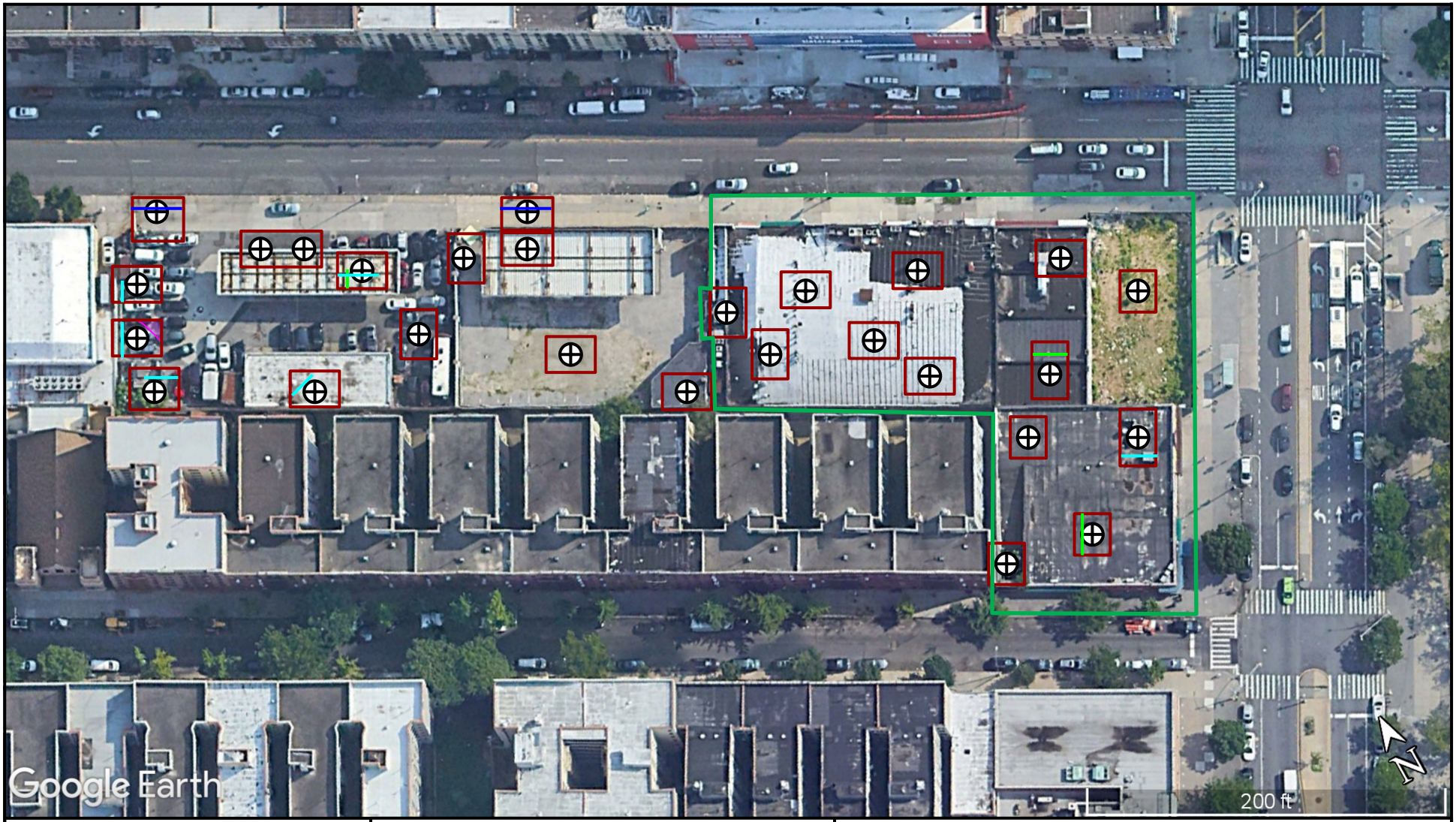


NOVA
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Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Commercial Site** 691 Lenox Avenue, New York, New York 10037
CLIENT:	Langan
DATE:	February 6th, 2023
AUTH:	Chris Steinley

LEGEND



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SURVEY PLAN

SITE:	**Commercial Site** 691 Lenox Avenue, New York, New York 10037
CLIENT:	Langan
DATE:	February 6th, 2023
AUTH:	Chris Steinley

LEGEND

- Phase I Survey Area
- Electric
- Sewer
- Water
- UST Area
- Unknown
- Boring

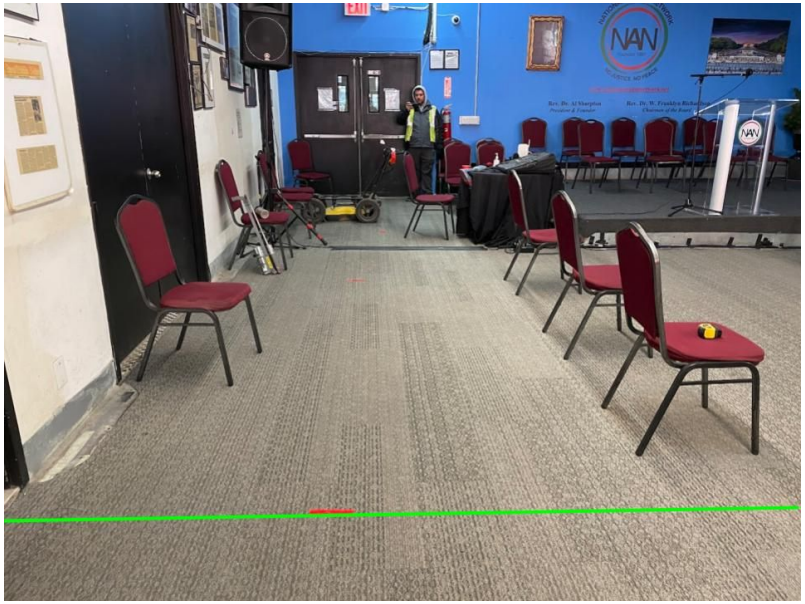
GEOPHYSICAL IMAGES

Commercial Site - Phase I

691 Lennox Avenue,
New York, New York 10037
February 6th, 2023





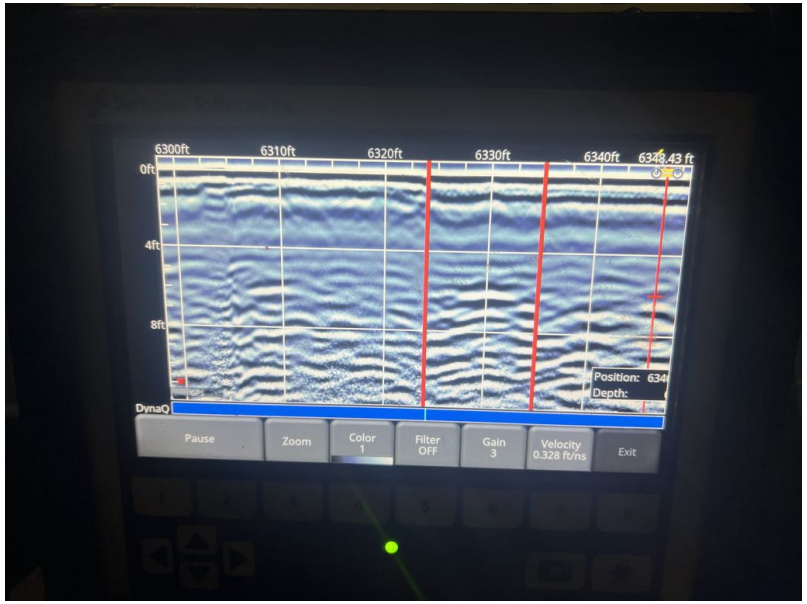


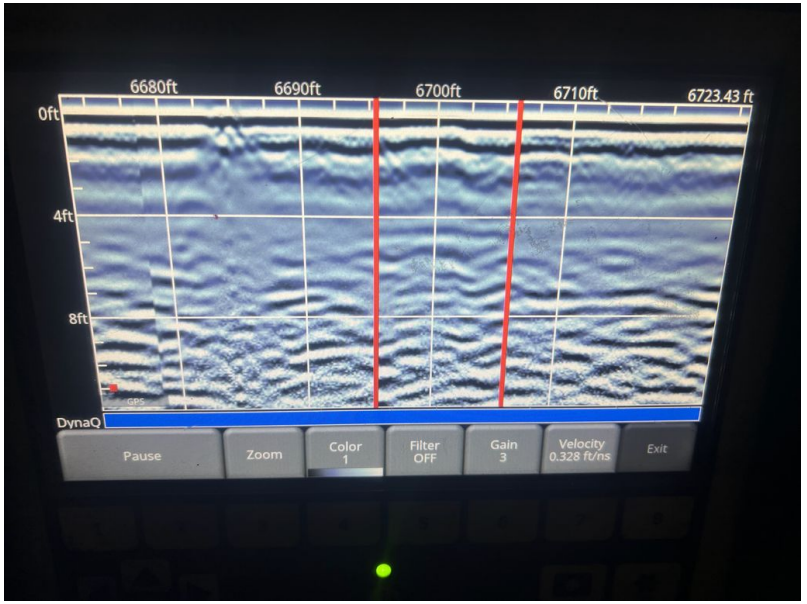
GEOPHYSICAL IMAGES

Commercial Site - Phase I
691 Lennox Avenue,
New York, New York 10037
February 6th, 2023









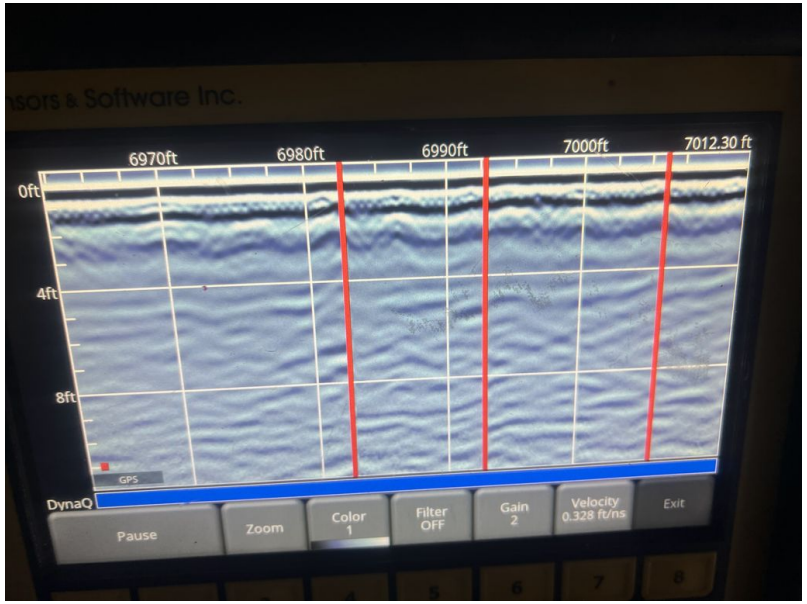
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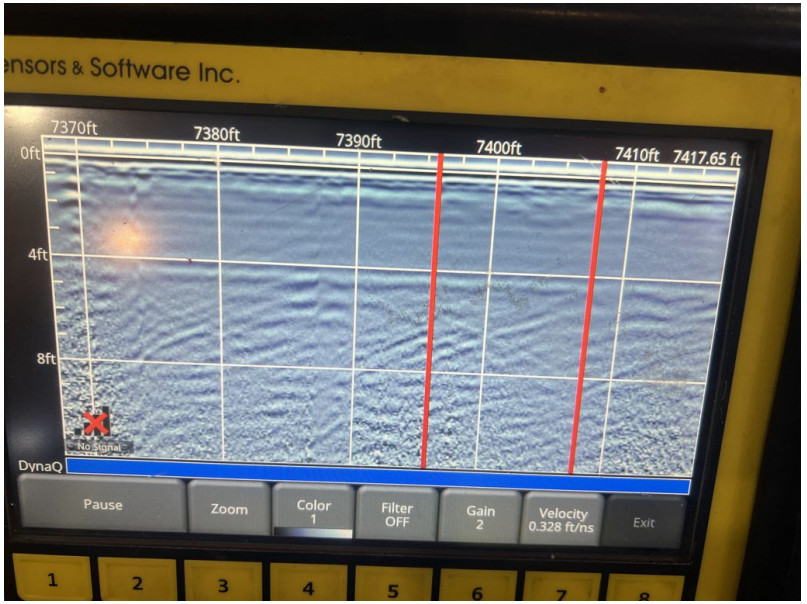
Commercial Site - Phase I

691 Lennox Avenue,
New York, New York 10037
February 6th, 2023



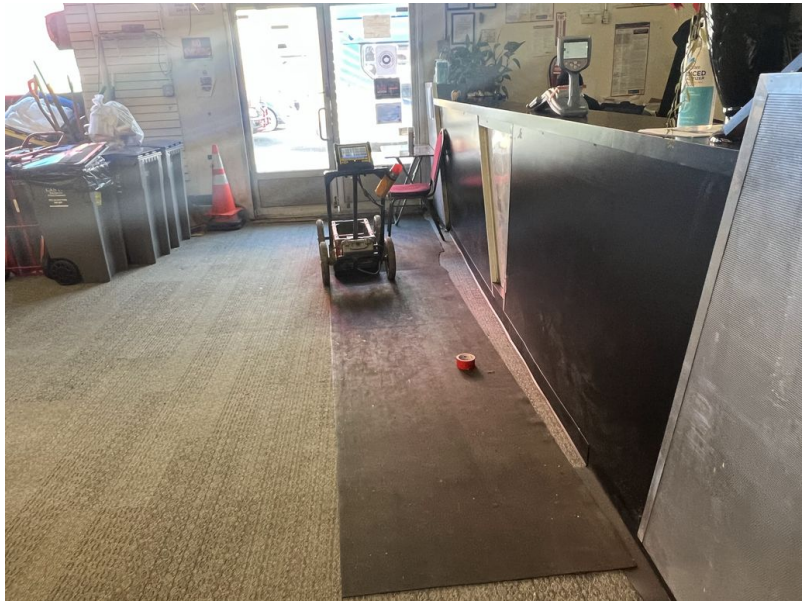




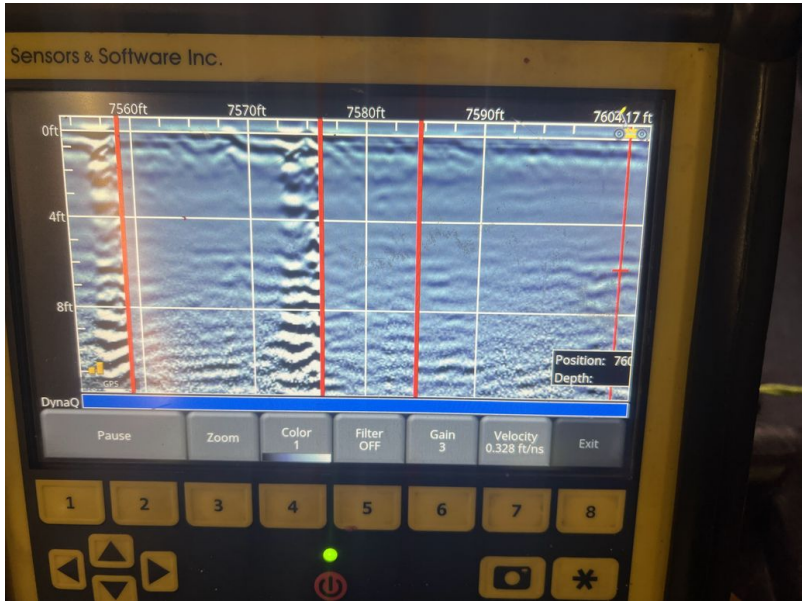


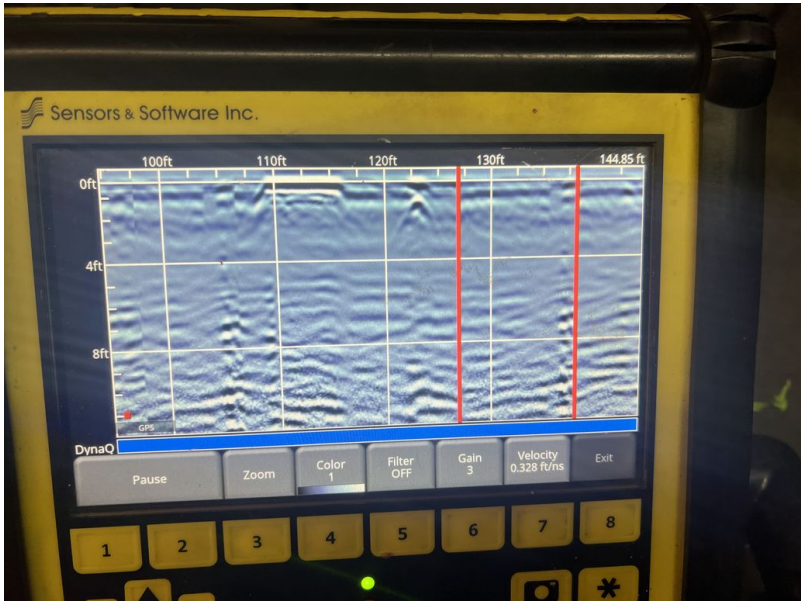
GEOPHYSICAL IMAGES

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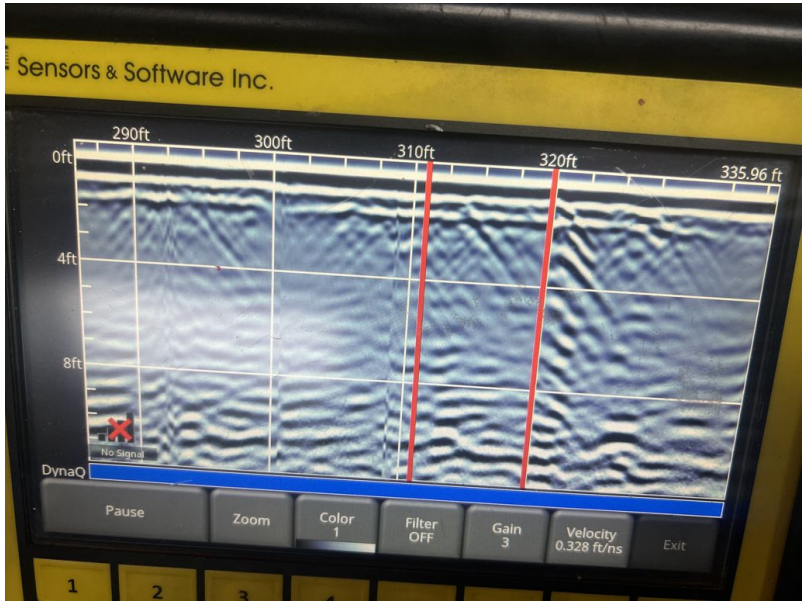
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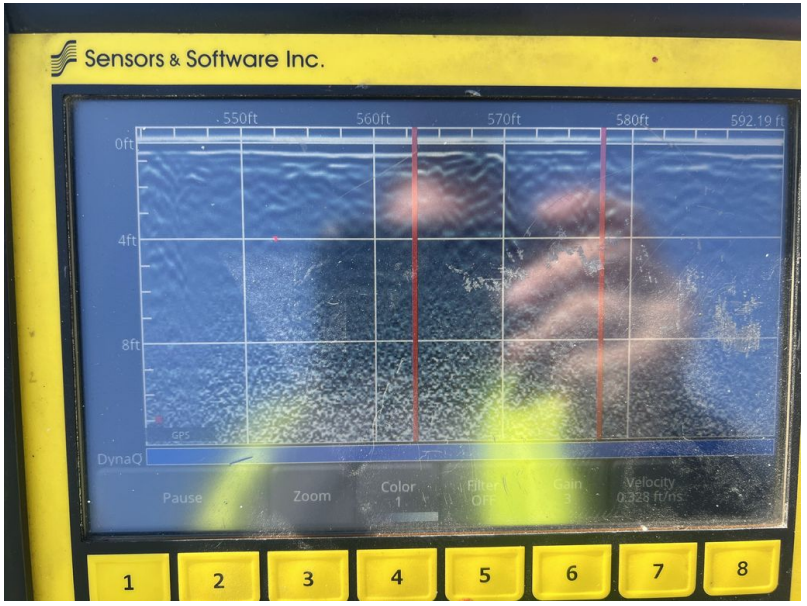
Commercial Site - Phase I

691 Lennox Avenue,
New York, New York 10037
February 6th, 2023









GEOPHYSICAL IMAGES

Commercial Site - Phase I

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February 6th, 2023



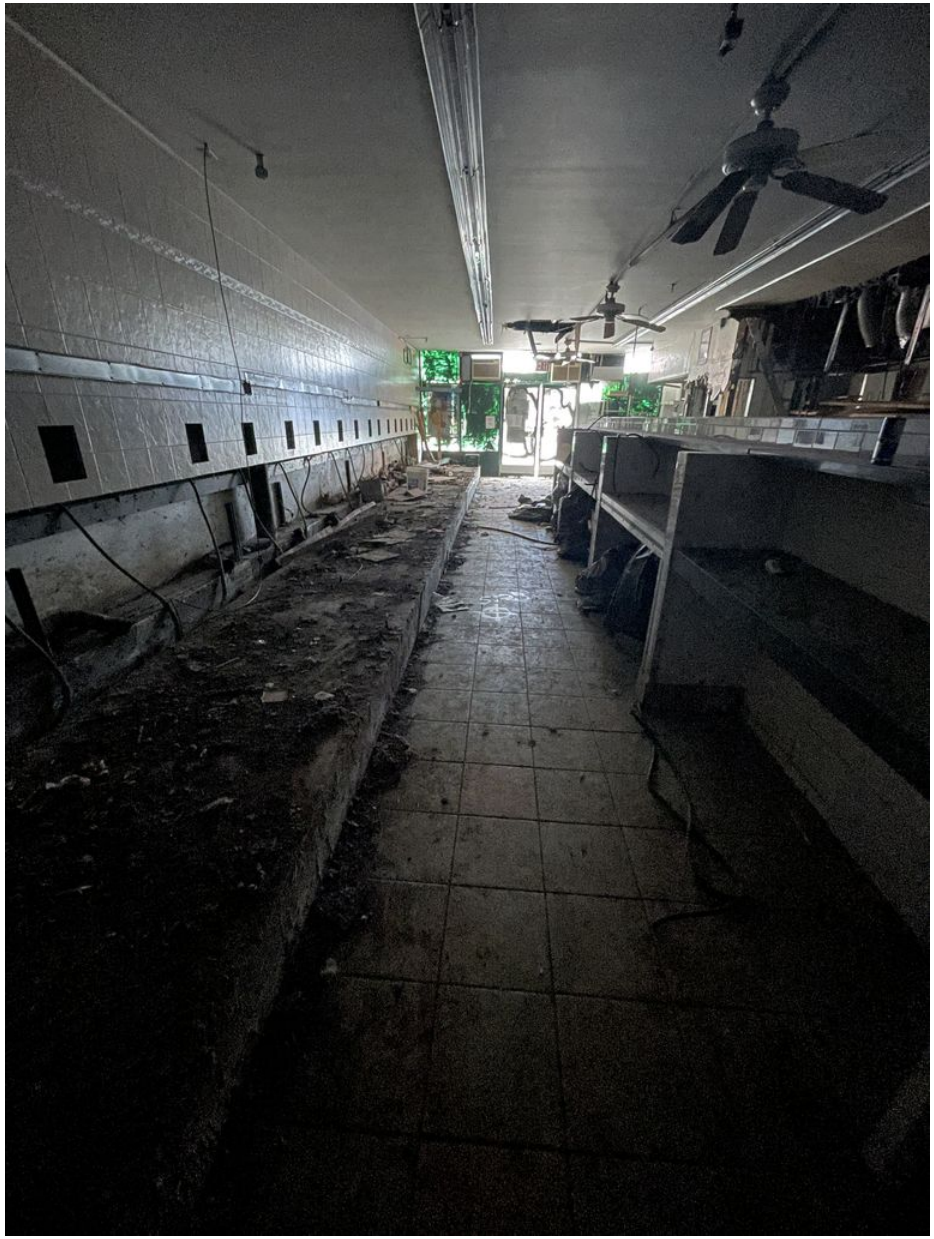


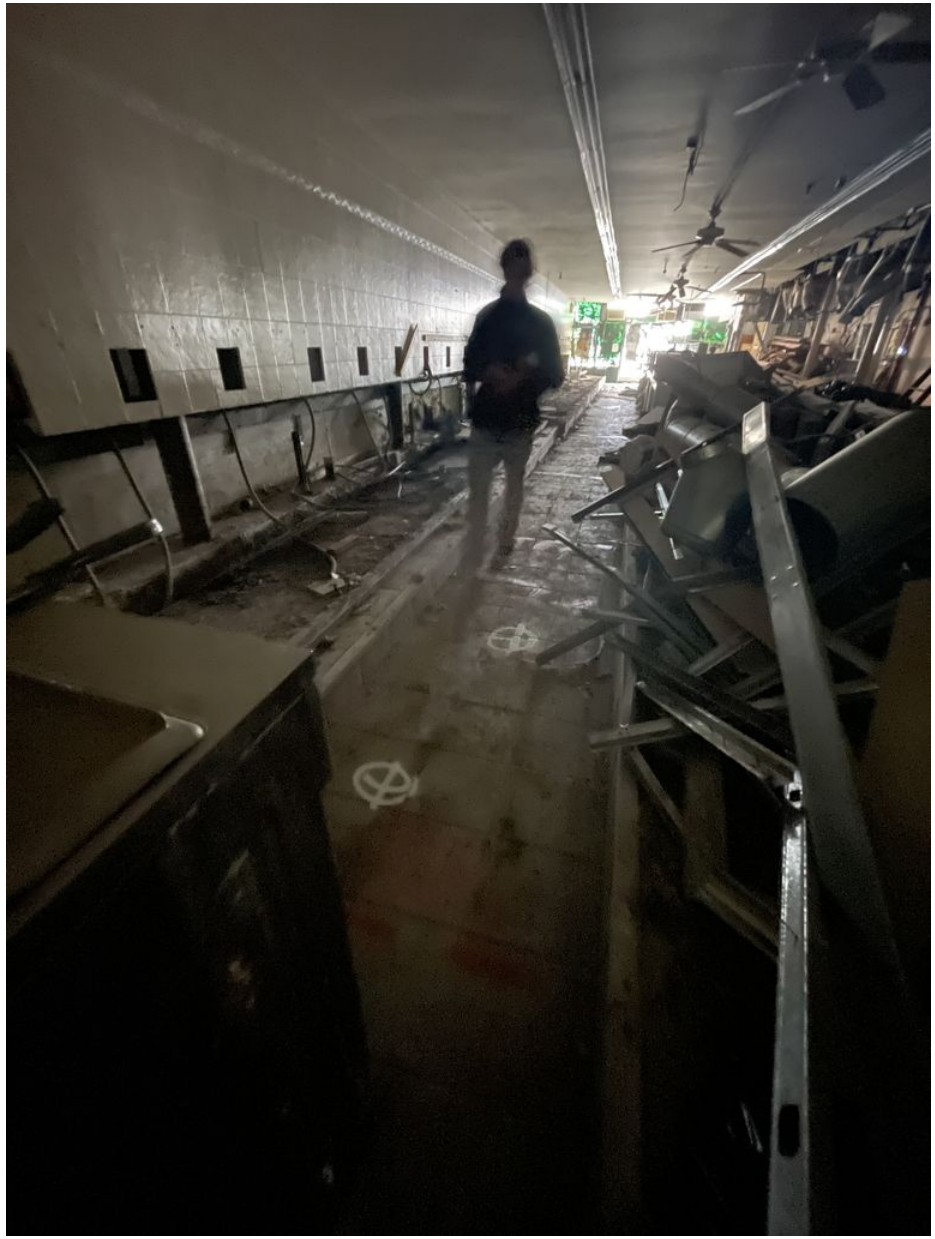




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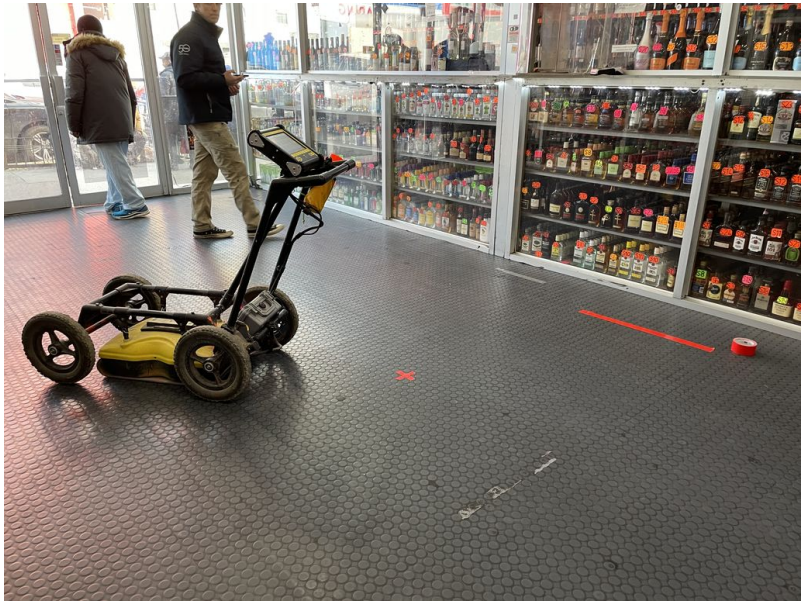


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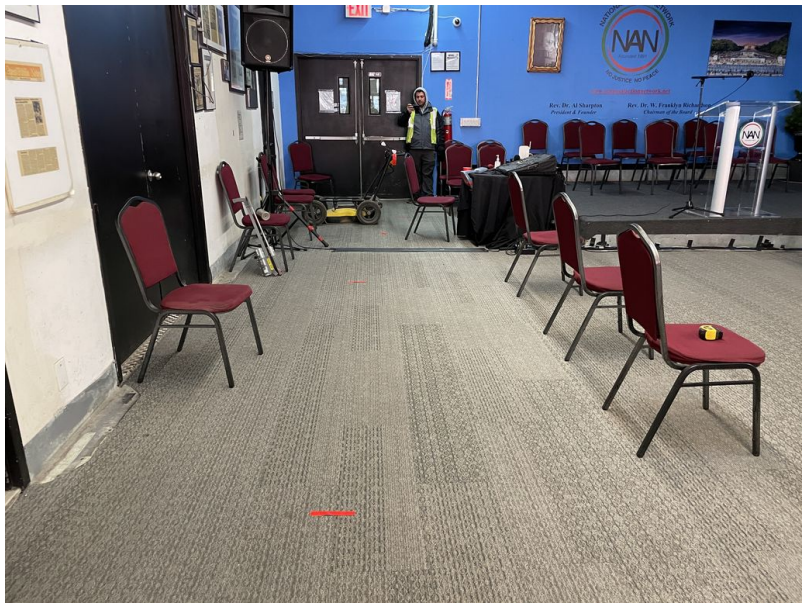


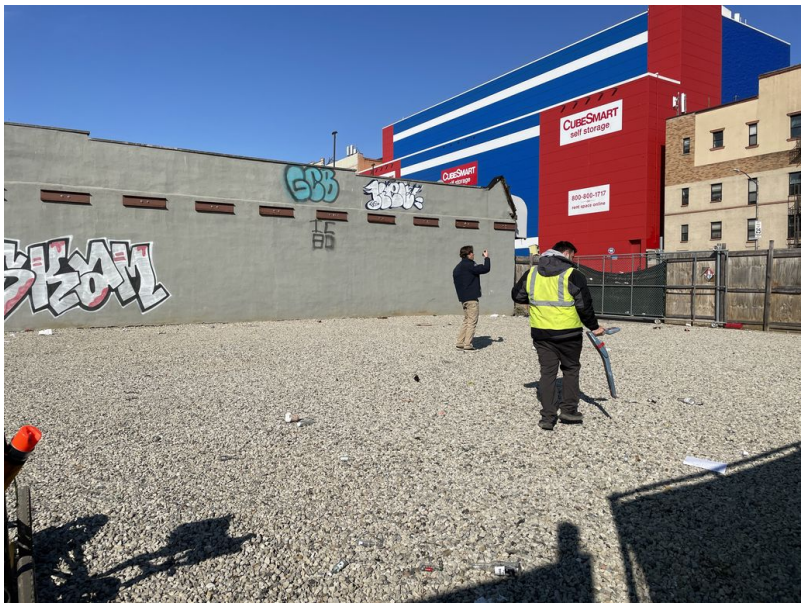


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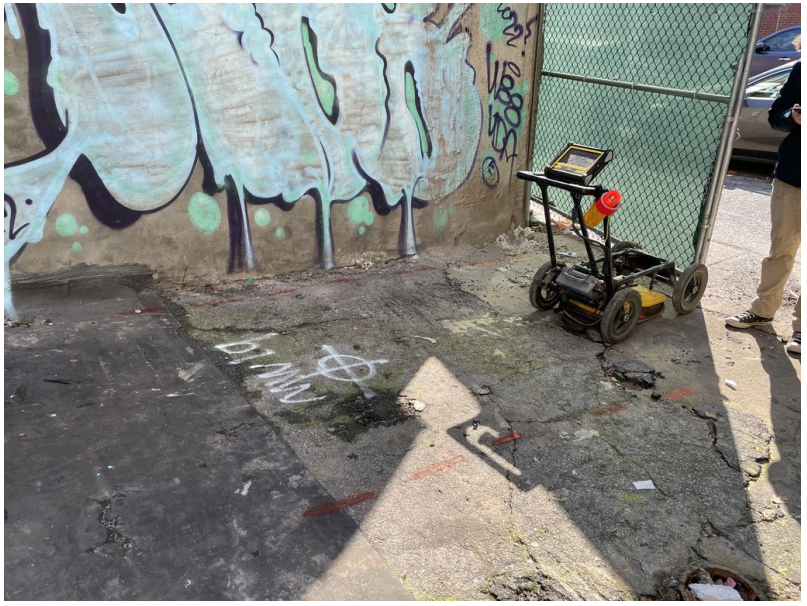
Commercial Site - Phase I

691 Lennox Avenue,
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February 6th, 2023









GEOPHYSICAL IMAGES

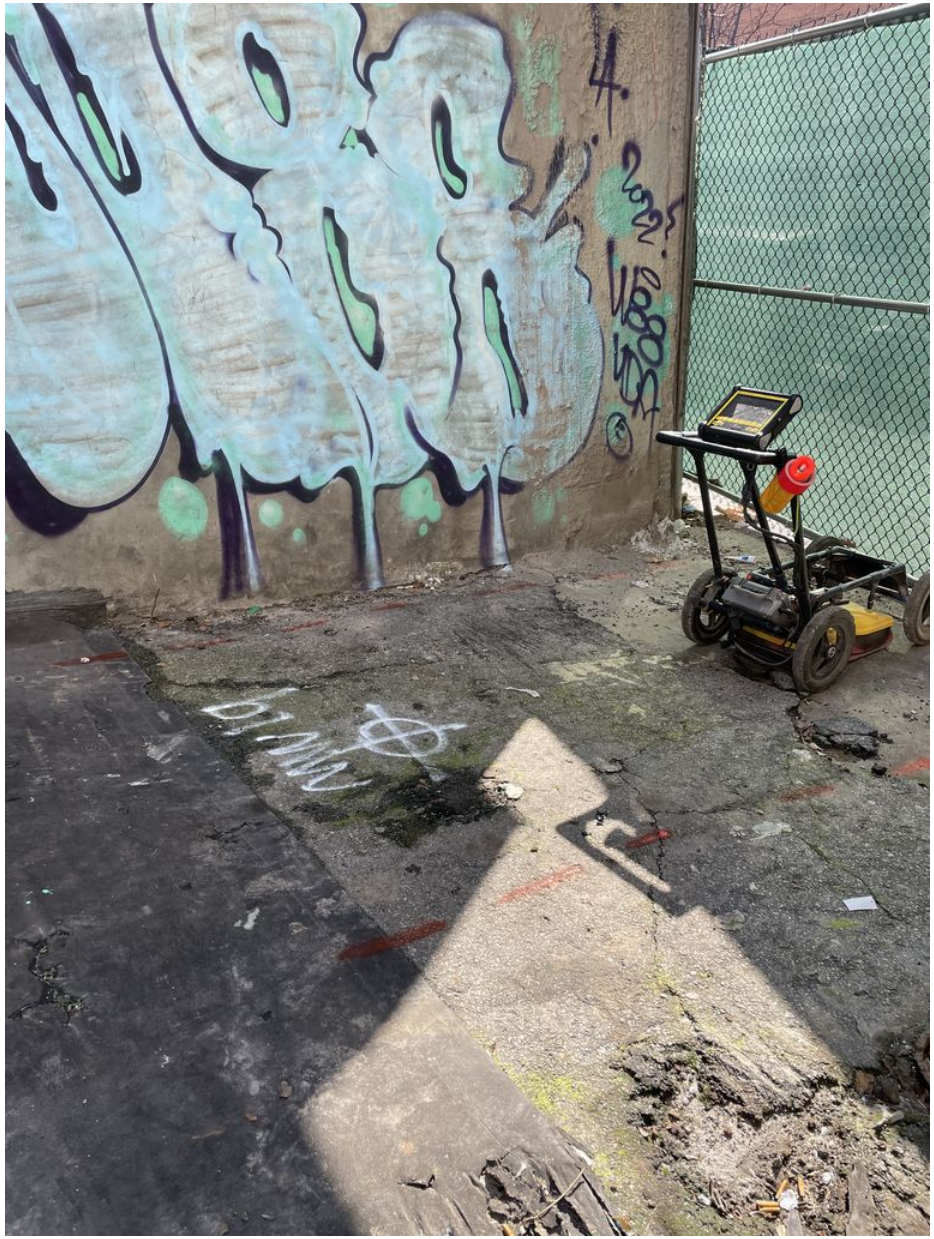
Commercial Site - Phase I
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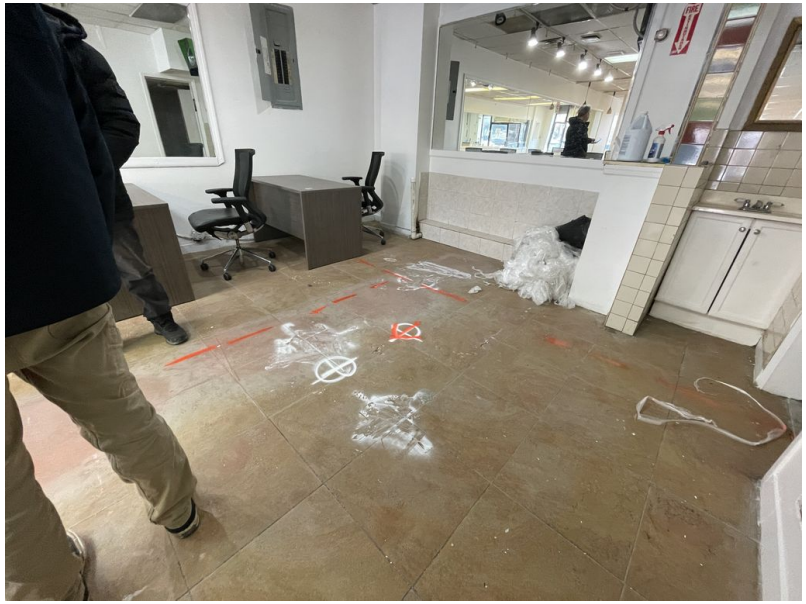




GEOPHYSICAL IMAGES

Commercial Site - Phase I

691 Lennox Avenue,
New York, New York 10037
February 6th, 2023



GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Sites
691 Lenox Avenue,
New York, New York 10037

NOVA PROJECT NUMBER:
24-4148

DATED:
March 13, 2024

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001
www.langan.com

PREPARED BY:

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GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
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NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

March 13, 2024

Andrew Nesci
Senior Staff Scientist
LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727
D: 212.479.5646 M: 732.320.7049
E: Anesci@langan.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Sites
691 Lenox Avenue,
New York, New York 10037

Dear Mr. Nesci,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 691 Lenox Avenue, New York, New York (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures in the vicinity of the proposed boring areas on March 7th, 2024.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna Sensors and Software Noggin 250 MHz GPR with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator. A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control

cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

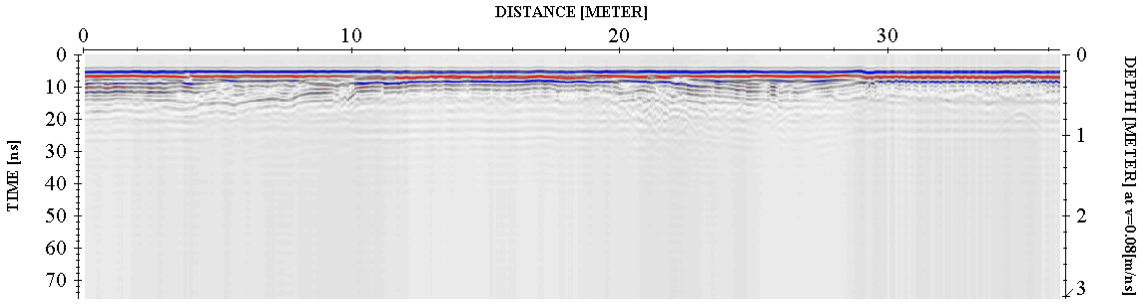
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

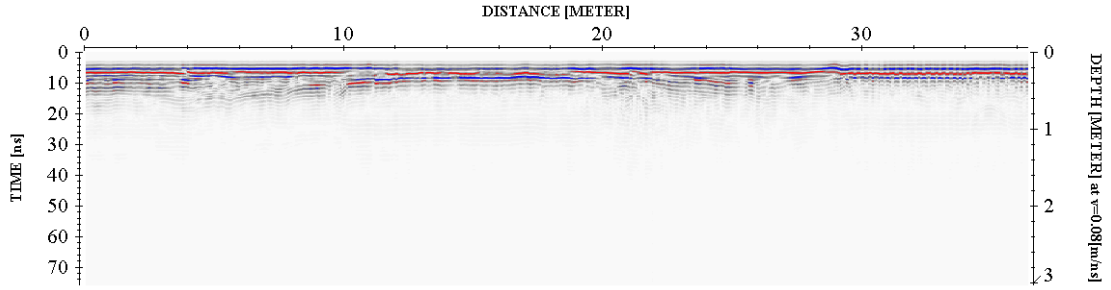
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

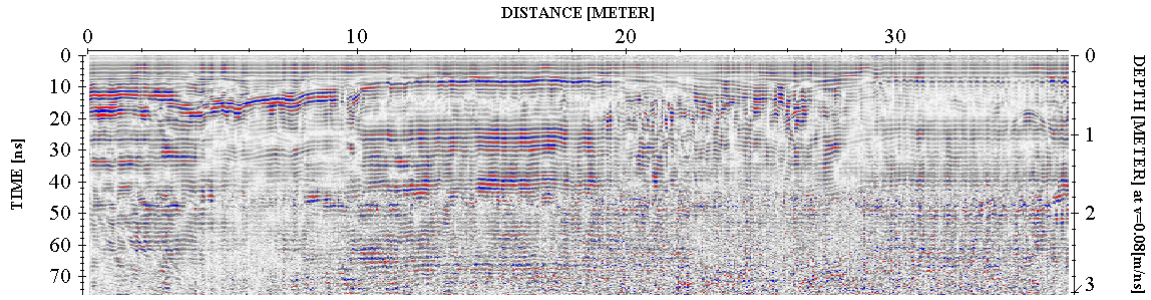
Step 1. Import Raw RAMAC data to standard processing format



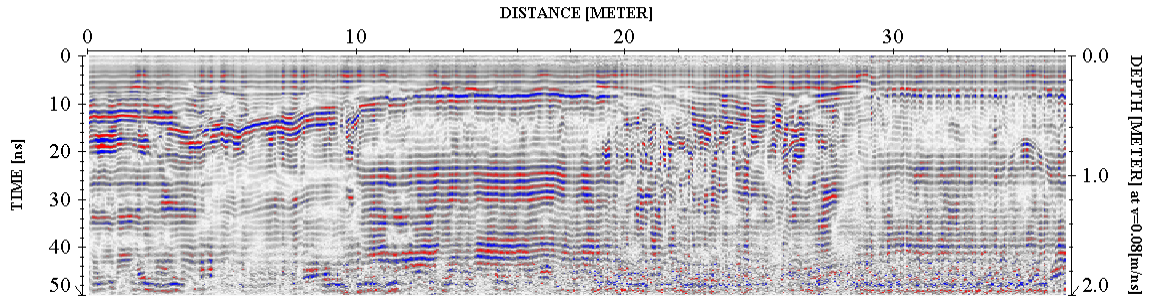
Step 2. Remove instrument noise *(dewow)*



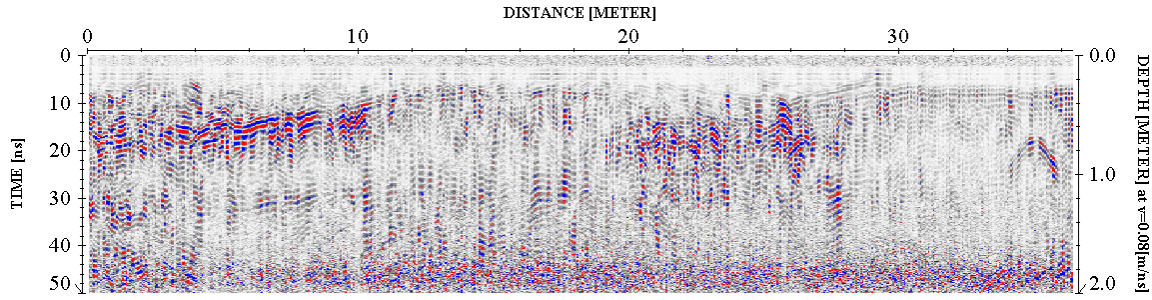
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Cloudy

Temperature: 40° F

Surface: Concrete, Asphalt

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 2'. Additional GPR data was collected over features of interest.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment and other unknown anthropogenic noise sources.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- The GES identified anomalies resembling potential subsurface utilities that could not be traced to any known utilities located within the survey area. The approximate locations are shown in the survey plan.
- The GES did not identify any major anomalies within the vicinity of the proposed boring areas of the site.
- NOVA was not unable to survey the liquor store area due to the raised wood floor, which the GPR is unable to gain any readings from. The area was surveyed using the EM RadioDetection wand to ensure no live utility lines were present around the proposed boring areas at this location.
- NOVA cleared and marked all boring locations shown in the survey plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Manager

Attachments:

Location Map

Survey Plan

Geophysical Images

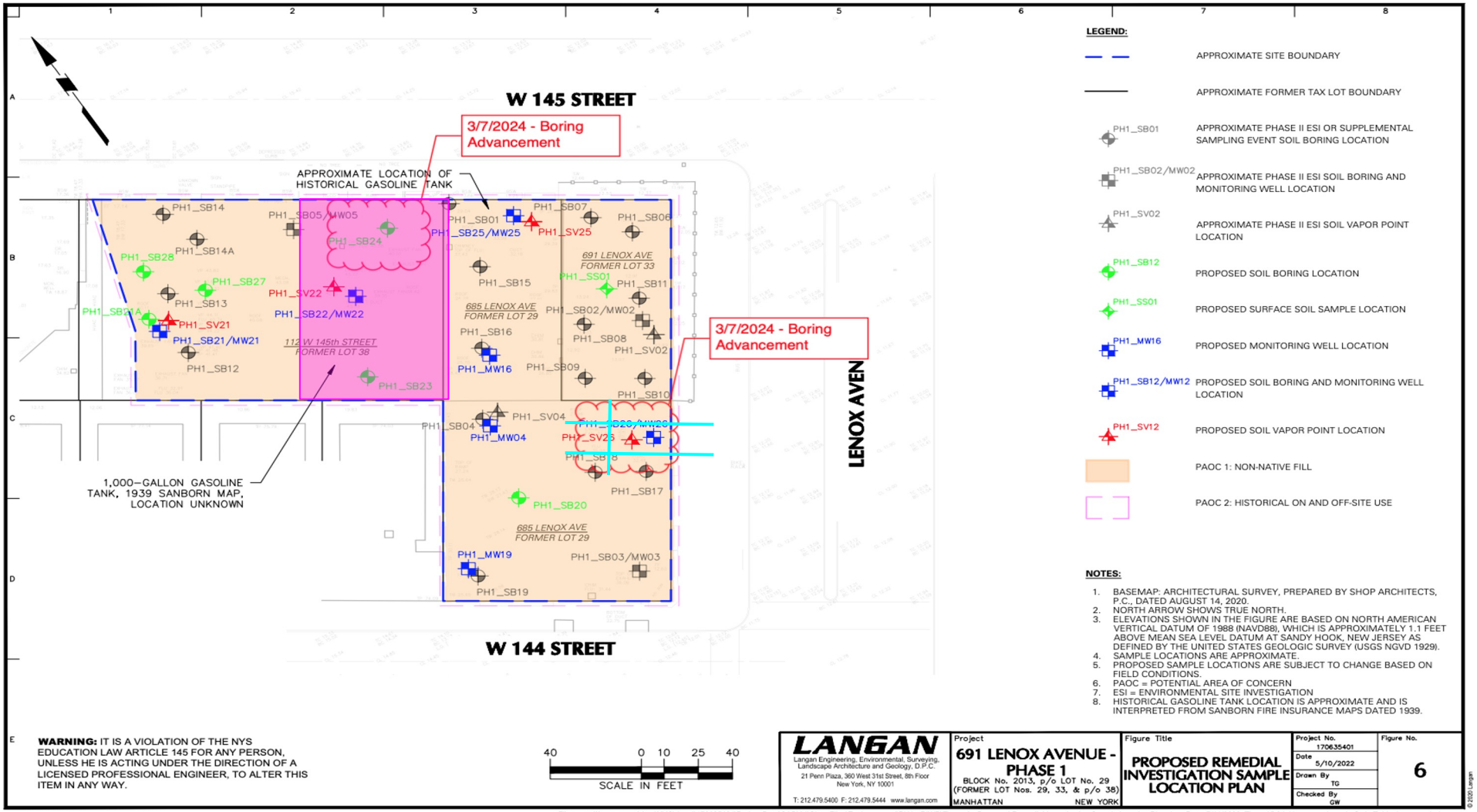


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Location Map

SITE:	**Commercial Site** 691 Lenox Avenue New York, NY, 10037
CLIENT:	Langan
DATE:	March 7th 2023
AUTH:	Raymond Looney

LEGEND



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SURVEY PLAN

SITE:	**Commercial Site** 691 Lenox Avenue New York, NY, 10037
CLIENT:	Langan
DATE:	March 7th 2023
AUTH:	Raymond Looney

LEGEND

- Survey Area
- Unknown Utility
- Area unable to be surveyed with GPR due to raised wooden floor

GEOPHYSICAL SEISMIC SURVEY IMAGES

Commercial Sites

691 Lenox Avenue, New York, NY 10037

March 7th, 2024



GEOPHYSICAL SURVEY IMAGES

Commercial Sites

691 Lenox Avenue, New York, NY 10037

March 7th, 2024









GEOPHYSICAL SURVEY IMAGES

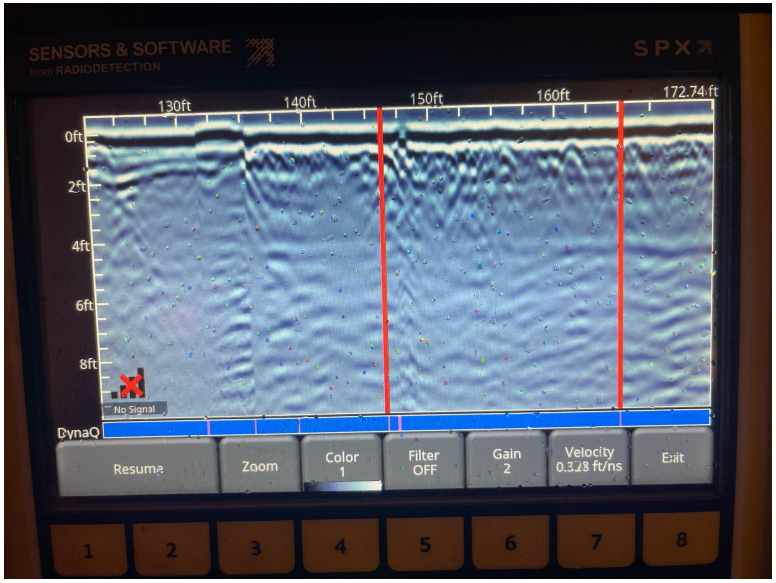
Commercial Sites

691 Lenox Avenue, New York, NY 10037

March 7th, 2024







APPENDIX F

SOIL BORING LOGS

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Log of Boring **PH1_SB21** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/16/2023 / Date Finished: 03/16/2023
Drilling Equipment: AMS 9100	Completion Depth: 30 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 18 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-28") Brown fine GRAVEL, glass, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	28/48		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		R2 (0-24") Brown fine GRAVEL, some fine sand, trace silt (moist)[FILL]	5	R2	Macrocore	24/48		0.0	
			6					0.0	
			7					0.0	Soil sample PH1_SB21_6-8 collected.
			8					0.0	
		R3 (0-18") Brown to black fine GRAVEL, some fine sand, trace silt (moist)[FILL]	9	R3	Macrocore	18/48		0.0	
			10					0.0	
			11					0.0	
			12					0.0	
		R4 (0-24") Brown fine GRAVEL, some fine sand, trace silt (moist)[FILL]	13	R4	Macrocore	24/48		0.0	
			14					0.0	
			15					0.0	
			16					0.0	
			17						Soil sample PH1_SB21_16-18 collected.
		▽	18	R5	Macrocore	20/48		0.0	
		R5 (0-20") Brown fine SAND, trace silt (wet)[SM]	19					0.0	
			20					0.0	

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Log of Boring **PH1_SB21** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-30") Brown fine SAND, trace silt (wet)[SM]	20	R6	Macrocore	30/48		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
		R7 (0-48") Brown fine SAND, trace silt (wet)[SM]	25	R7	Macrocore	48/48		0.0	
			26					0.0	
			27					0.0	
			28					0.0	
		R8 (0-24") Brown fine SAND, trace silt (wet)[SM]	29	R8	MACROCORE	24/24		0.0	
			30					0.0	Bottom of boring at 30 feet bgs. The borehole was converted into groundwater monitroing well PH1_MW21.
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB20** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/20/2023 / Date Finished: 03/20/2023
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 32 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 14 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Adam H
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-48") Brown fine GRAVEL, brick, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	48/48		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	Soil sample PH1_SB20_3-4 collected.
		R2 (0-36") Brown fine GRAVEL, brick, some fine sand, trace silt (moist)[FILL]	5	R2	Macrocore	36/48		0.0	
			6					0.0	
			7					0.0	
			8					0.0	
		R3 (0-48") Brown fine GRAVEL, brick, some fine sand, trace silt (moist)[FILL]	9	R3	Macrocore	48/48		0.0	
			10					0.0	
			11					0.0	
			12					0.0	Soil sample PH1_SB20_10-12 collected.
		R4 (0-30") Brown fine SAND, some silt, trace fine gravel (wet)[FILL] ▽	13	R4	Macrocore	30/48		0.0	
			14					0.0	
			15					0.0	
			16					0.0	
		R5a (0-24") Grayish brown CLAY, organics, (Organic fibrous material) (wet)[CL]	17	R5	Macrocore	48/48		0.0	Soil sample PH1_SB20_16-18 collected.
			18					0.0	
		R5b (24-30") Brown fine SAND, organics, trace silt, (Organic fibrous material) (wet)[SM]	19					0.0	
		R5c (30-48") Brown fine SAND, trace silt (wet)[SM]	20					0.0	

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Log of Boring **PH1_SB20** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6a (0-44") Brown fine SAND, trace silt (wet)[SM]	20	R6	Macrocore	48/48		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
								0.0	
								0.0	
								0.0	
		R6b (44-48") Brown CLAY (wet)[CL]	24					0.0	
			25	R7	Macrocore	18/48			
			26						
		R7 (0-18") Brown CLAY (wet)[CL]	27					0.0	
								0.0	
								0.0	
			28						
			29						
		R8 (0-24") Brown CLAY (wet)[CL]	30	R8	Macrocore	18/48		0.0	
			31					0.0	
								0.0	
								0.0	
			32						Bottom of boring at 32 feet bgs. The borehole was backfilled with clean soil cuttings/sand and restored to match existing surface conditions.
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB21A** Sheet 1 of 1

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/17/2023 / Date Finished: 03/17/2023
Drilling Equipment: AMS 9100	Completion Depth: 5 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First / Completion: N/A / 24 HR.: N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-36") Brown fine GRAVEL, brick, glass, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	36/60		0.0	
			1					0.0	Soil sample PH1_SB21A_1-2 collected.
			2					0.0	Soil sample PH1_SB21A_2-3 collected.
			3					0.0	Soil sample PH1_SB21A_3-4 collected.
			4					0.0	Soil sample PH1_SB21A_4-5 collected.
			5					0.0	Bottom of boring at 5 feet bgs.
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **PH1_SB22** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/15/2023 — Date Finished: 03/15/2023
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 30 ft — Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed — Undisturbed: N/A — Core: N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 12 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Adam H
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-24") Brown fine GRAVEL, brick, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	24/48		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		R2 (0-20") Brown fine GRAVEL, coal, some fine sand, trace silt (moist)[FILL]	5	R2	Macrocore	20/48			
			6					0.0	
			7					0.0	Soil sample PH1_SB22_6-8 collected.
			8					0.0	
		R3 (0-36") Brown fine GRAVEL, coal, some fine sand, trace silt (moist)[FILL]	9	R3	Macrocore	36/48		0.0	
			10					0.0	
			11					0.0	
			12 ▽					0.0	
		R4a (0-27") Brown to gray fine SAND, trace silt (wet) [SM]	13	R4	Macrocore	30/48		0.0	
			14					0.0	
			15					0.0	Soil sample PH1_SB22_14-16 collected.
		R4b (27-30") Brown to gray CLAY, trace silt, trace fine sand, (Fibourous organic material) (wet) [SM]	16					0.0	
		R5 (0-6") Dark gray fine SAND, trace silt (wet) [SM]	17	R5	Macrocore	6/48			
			18						
			19						
			20					0.0	

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Log of Boring **PH1_SB22** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-48") Dark gray to brown fine SAND, trace silt (wet) [SM]	20	R6	Macrocore	48/48		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
		R7 (0-48") Brown fine SAND, trace silt (wet) [SM]	25	R7	Macrocore	48/48		0.0	
			26					0.0	
			27					0.0	
			28					0.0	
		R8 (0-48") Brown fine SAND, trace silt (wet) [SM]	29	R8	MACROCORE	24/48		0.0	
			30					0.0	
			31					0.0	
			32						Bottom of boring at 32 feet beneath ground surface (bgs). The borehole was converted into groundwater monitroing well PH1_MW22 but widening the borehole with 3.5-inch outer diameter drill rods to 23 feet bgs.
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB23** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/16/2023 / Date Finished: 03/16/2023
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 30 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 14 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-28") Brown fine GRAVEL, some sand, trace silt (moist)[FILL]	0	R1	Macrocore	28/48		0.0	
			1					0.0	
								0.0	Soil sample PH1_SB23_0-2 collected.
			2					0.0	
			3						
			4						
			5	R2	Macrocore	18/48			Soil sample PH1_SB23_4-6 collected.
			6						
		R2 (0-18") Brown fine GRAVEL, glass, some sand, trace silt (moist)[FILL]	7					0.0	
								0.0	
			8					0.0	
		R3a (0-12") Brown fine GRAVEL, some sand, trace silt (moist)[FILL]	9	R3	Macrocore	30/48		0.0	
		R3b (12-36") Brown fine SAND, trace silt, trace fine gravel (moist)[FILL]	10					0.0	
								0.0	
			11					0.0	
			12					0.0	
			13	R4	Macrocore	24/48			
		R4 (0-24") Brown fine SAND, trace silt, trace fine gravel (wet)[SM]	14 ▽					0.0	
								0.0	
			15					0.0	Soil sample PH1_SB23_14-16 collected.
								0.0	
			16						
			17	R5	Macrocore	12/48			
			18					0.0	
		R5 (0-12") Brown fine SAND, trace silt, trace fine gravel, (Fiberous organic material) (wet)[SM]	19					0.0	
			20					0.0	

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Log of Boring **PH1_SB23** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-6") Brown fine SAND, trace silt, trace fine gravel (wet)[SM] R7 (0-48") Grayish brown fine SAND, trace silt, trace fine gravel (wet)[SM]	20–24	R6	Macrocore	6/48		0.0	
			24–28	R7	Macrocore	48/48		0.0 0.0 0.0 0.0 0.0 0.0	
		R8 (0-24") Grayish brown fine SAND, trace silt, trace fine gravel (wet)[SM]	28–30	R8	MACROCORE	24/24		0.0 0.0 0.0 0.0	
			30–45						Bottom of boring at 32 feet bgs. The borehole was backfilled with clean soil cuttings/sand and restored to match existing surface conditions.

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Log of Boring **PH1_SB25** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 04/02/2023 / Date Finished: 04/02/2023
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 30 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 12 / Completion ▼ N/A / 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Michael Kolasinsk
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Seyena Simpson
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-42") Brownish gray to brown fine SAND, some silt, trace fine gravel, Mica, ceramic, coal, brick (moist)[FILL]	0					0.0	
			1	M-1	Macrocore	42		1.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
			6					0.0	
		R2 (0-25") Brown fine SAND, some silt, trace fine gravel, Mica, brick (moist)[FILL]	7	M-2	Macrocore	25		0.8	
			8					0.0	
			9					0.1	Soil sample PH1_SB25_2-4 collected.
			10					0.0	
			11	M-3	Macrocore	22		0.0	
		R3 (0-22") Brown to grayish brown fine SAND, some silt, trace fine gravel, Mica (moist)[FILL]	12					0.6	
			13					1.2	Soil sample PH1_SB25_10-12 collected.
		R4a (0-12") Brown to grayish brown fine SAND, some silt, trace fine gravel, Mica (wet)[FILL]	14	M-4A	Macrocore	48		0.0	
		R4b (12-48") Grayish brown to dark brown fine SAND, trace silt (wet)[SP]	15					0.0	
			16	M-4B				0.0	
			17					0.0	
			18					0.0	
			19					0.0	
		R5 (0-48") Grayish brown to dark brown fine SAND, trace silt (wet)[SP]	20	M-5	Macrocore	48		0.0	Soil sample PH1_SB25_14-16 collected.

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Log of Boring **PH1_SB25** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-48") Grayish brown to dark brown medium SAND, trace silt (wet)[SP]	20	M-6	Macrocore	48		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
		R7 (0-48") Brown medium SAND, trace silt (wet)[SP]	24	M-7	Macrocore	48		0.0	
			25					0.0	
			26					0.0	
			27					0.0	
		R8 (0-24") Brown medium SAND, trace silt (wet)[SP]	28	M-8	Macrocore	24		0.0	
			29					0.0	
			30						Bottom of boring at 30 feet beneath ground surface (bgs). The borehole was converted into groundwater monitroing well PH1_MW25 but widening the borehole with 3.5-inch outer diameter drill rods to 23 feet bgs.
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB27** Sheet 1 of 2

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/15/2023 — Date Finished: 03/15/2023
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 32 ft — Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed — Undisturbed: N/A — Core: N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 14 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-28") Brown fine GRAVEL, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	28/48		0.0	Soil sample PH1_SB27_1-2 collected.
			1					0.0	
			2					0.0	Soil sample PH1_SB27_2-3 collected.
			3					0.0	
			4					0.0	Soil sample PH1_SB27_3-4 collected.
		R2 (0-30") Brown fine GRAVEL, some fine sand, trace silt (moist)[FILL]	5	R2	Macrocore	30/48		0.0	Soil sample PH1_SB27_4-5 collected.
			6					0.0	
			7					0.0	
			8					0.0	
		R3 (0-24") Brown fine SAND, trace silt (moist)[SM]	9	R3	Macrocore	24/48		0.0	
			10					0.0	
			11					0.0	
			12					0.0	
		R4 (0-30") Brown fine SAND, trace silt (wet)[SM] ▽	13	R4	Macrocore	30/48		0.0	
			14					0.0	
			15					0.0	
			16					0.0	
		R5 (0-28") Brown fine SAND, trace silt (wet)[SM]	17	R5	Macrocore	28/48		0.0	
			18					0.0	
			19					0.0	
			20					0.0	

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Log of Boring **PH1_SB27** Sheet 2 of 2

Project	Project No.
691 Lenox Avenue - Phase 2 (One 45)	170635401
Location	**Elevation and Datum**
Manhattan, NY	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6 (0-30") Brown fine SAND, trace silt (wet)[SM]	20–24	R6	Macrocore	30/48		0.0 0.0 0.0 0.0 0.0	
		R7 (0-30") Brown fine SAND, trace silt (wet)[SM]	24–28	R7	Macrocore	30/48		0.0 0.0 0.0 0.0 0.0	
		R8 (0-24") Brown fine SAND, trace silt (wet)[SM]	28–32	R8	Macrocore	24/48		0.0 0.0 0.0 0.0	Bottom of boring at 32 feet bgs. The borehole was backfilled with clean soil cuttings/sand and restored to match existing surface conditions.
			32–45						

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Log of Boring **PH1_SB28** Sheet 1 of 1

Project: 691 Lenox Avenue - Phase 2 (One 45)	Project No.: 170635401
Location: Manhattan, NY	Elevation and Datum:
Drilling Company: Lakewood Environmental	Date Started: 03/17/2023 / Date Finished: 03/17/2023
Drilling Equipment: AMS 9100	Completion Depth: 5 ft / Rock Depth: N/A
Size and Type of Bit: 2.5-Inch-Diameter Direct Push	Number of Samples: Disturbed / Undisturbed: N/A / Core: N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First / Completion: N/A / 24 HR.: N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 2-Inch-Diamaeter Macrocore	Field Engineer: Jack Frey
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 (0-36") Brown fine GRAVEL, brick, glass, some fine sand, trace silt (moist)[FILL]	0	R1	Macrocore	36/60		0.0	
			1					0.0	Soil sample PH1_SB21A_1-2 collected.
			2					0.0	Soil sample PH1_SB21A_2-3 collected.
			3					0.0	Soil sample PH1_SB21A_3-4 collected.
			4					0.0	Soil sample PH1_SB21A_4-5 collected.
			5						Bottom of boring at 5 feet bgs.
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **PH1-SB24** Sheet 1 of 2

Project: One45 Phase 1	Project No.: 170635402
Location: Abandoned Liquor Store	Elevation and Datum: N/A
Drilling Company: Lakewood	Date Started: 3/8/2024 — Date Finished: 3/11/2024
Drilling Equipment: Geoprobe 420M	Completion Depth: 32.0 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2.25inch OD/2 inch ID Direct push	Number of Samples: Disturbed 8 — Undisturbed 0 — Core 0
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike Kolasanski
Sampler: Macrocore	Field Engineer: Carli Piretra
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr-resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
	N/A	CONCRETE	0	M-1A				0.3	Pre-cleared to 5-ft using 4-inch ID Hand Auger.
		Brown fine SAND, trace silt (moist) [FILL]		M-1B				0.3	
		Orangish brown SAND, brick fragments (moist) [FILL]	1					0.3	
		Reddish brown SAND, trace silt (moist) [FILL]						0.3	
			2	M-1C	Macrocore	20/45		0.3	PH1_SB24_2-4
			3						
		Reddish brown SAND, some silt, trace fine gravel (moist) [FILL]	4	M-2A				0.3	
		Brownish red SAND, trace coarse gravel, trace sand [FILL]						0.3	
			5	M-2B				0.3	
								0.3	
	N/A	Black to dark reddish brown Gravelly SAND (moist) [FILL]		M-2C					
		Dark brown to brown SILT, trace fine gravel, trace sand (moist) [ML]	6		Macrocore	28/48		0.3	PH1_SB24_6-8
			7	M-2D				0.3	
	N/A		8					0.3	
		Dark brown SILT, trace fine gravel (moist) [SP-SM]		M-3A				0.3	PH1_SB24_8.5-10.5
		Reddish brown SILT, some sand, trace clay (wet) [SP-SM] ▽	9					0.3	
			10	M-3B	Macrocore	20/48		0.3	
			11						
		Dark tan SILT, some sand, trace clay (wet) [SP-SM]	12					0.3	
				M-4A				0.3	
		Reddish brown to red Silty SAND (wet) [SP-SM]	13					0.3	
			14	M-4B	Macrocore	26/48		0.3	
								0.3	
			15						
		Reddish brown to red Silty SAND (wet) [SP-SM]	16					0.3	
								0.3	
								0.3	
			17					0.3	
								0.3	
			18	M-5	Macrocore	48/48		0.3	
								0.3	
			19					0.3	
								0.3	
			20						

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Log of Boring **PH1-SB24** Sheet 2 of 2

Project	Project No.
One45 Phase 1	170635402
Location	**Elevation and Datum**
Abandoned Liquor Store	N/A

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr-resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
	N/A	Reddish brown to red Silty SAND (wet) [SP-SM]	20					0.3	
								0.3	
								0.3	
			21					0.3	
								0.3	
			22	M-6	Macrocore	48/48		0.3	
								0.3	
			23					0.3	
								0.3	
		Reddish brown to red Silty SAND (wet) [SP-SM]	24					0.3	
								0.3	
			25					0.3	
								0.3	
			26	M-7	Macrocore	26/48		0.3	
								0.3	
			27						
		Reddish brown to red Silty SAND (wet) [SP-SM]	28					0.3	
								0.3	
			29					0.3	
								0.3	
			30	M-8	Macrocore	25/48		0.3	
								0.3	
			31						
	N/A	End of Boring at 32ft.	32						Backfilled with cuttings to grade, capped at grade with bentonite.
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1-SB26** Sheet 1 of 2

Project: One45 Phase 1	Project No.: 170635402
Location: Abandoned Restaurant	Elevation and Datum: N/A
Drilling Company: Lakewood	Date Started: 3/7/2024 — Date Finished: 3/7/2024
Drilling Equipment: Geoprobe 420M	Completion Depth: 31.0 ft — Rock Depth: Not Encountered
Size and Type of Bit: 2.25 inch OD/2 inch ID direct push	Number of Samples: Disturbed 8 — Undisturbed 0 — Core 0
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9.0 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Mike Kolasanski
Sampler: Not Applicable	Field Engineer: Camille Quick
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr-resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
	N/A	TILE	0					0.0	Pre-cleared to 5-ft using 4-inch ID Hand Auger.
		Dark brown fine SAND, some silt, trace fine gravel, glass, brick, ceramics (moist) [FILL]	1					0.0	
								0.0	
			2					0.0	PH1_SB26_2-4
				M-1	Macrocore	57/57		0.0	
			3					0.0	
								0.0	
			4					0.0	PH1_SB26_4-6
								0.0	
	N/A		5					0.0	
		Brown Silty fine SAND, trace clay (moist) [SM]		M-2A				0.0	
		Dark brown fine SAND, some silt, trace fine gravel, glass, brick, ceramics (moist) [FILL]	6					0.0	
				M-2B	Macrocore	32/36		0.0	
	N/A		7					0.0	Installed PH1-SV26
		Brown fine SAND, trace fine gravel, some silt (moist) [SP-SC]		M-2C				0.0	
	N/A							0.0	
		Brown fine SAND, trace silt, trace fine gravel (moist) [SP-SM]	8					0.0	PH1_SB26_8-10
				M-3A				0.0	
		Brown fine SAND, trace silt, trace fine gravel (moist) [SP-SM] ▽		M-3B				0.0	
		Brown fine SAND, trace silt, trace fine gravel (wet) [SP-SM]	9						
				M-3C	Macrocore	12/48			
			10						
			11						
		Grayish brown to gray fine SAND, some silt, trace coarse gravel (wet) [SP-SM]	12					0.0	
	N/A			M-4A				0.0	
		Gray SILT, some coarse gravel, trace sand (wet) [ML]						0.0	
			13					0.0	
								0.0	
			14	M-4B	Macrocore	21/48		0.0	
			15						
	N/A								
	N/A	Gray Gravelly fine SAND, trace silt, trace coarse gravel (wet) [SP-SM]	16					0.0	
				M-5A				0.0	
	N/A	Gray SILT, trace coarse gravel, trace fine sand (wet) [ML]		M-5B				0.0	
		Gray CLAY, trace silt (wet) [CL]	17					0.0	
								0.0	
				M-5C	Macrocore	46/48		0.0	
	N/A		18					0.0	
		Tan fine SAND, some silt (wet) [SP-SM]						0.0	
			19	M-5D				0.0	
								0.0	
			20					0.0	

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Log of Boring **PH1-SB26** Sheet 2 of 2

Project	Project No.
One45 Phase 1	170635402
Location	**Elevation and Datum**
Abandoned Restaurant	N/A

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr-resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Casing Depth, Fluid Loss, Drilling Resistance, etc.)
	N/A	Tan fine SAND, some silt, trace fine gravel (wet) [SP-SM]	20					0.0	
								0.0	
			21					0.0	
			22	M-6	Macrocore	12/48			
			23						
	N/A		24					0.0	
		Tan fine SAND, trace silt (wet) [SP]						0.0	
			25	M-7A				0.0	
	N/A							0.0	
		Tan CLAY, trace fine sand (wet) [CL]	26					0.0	
				M-7B	Macrocore	32/48		0.0	
	N/A		27					0.0	
		Gray fine SAND, some silt (wet) [SP-SM]	28					0.0	
								0.0	
			29	M-8	Macrocore	12/36		0.0	
			30						
	N/A		31						Set 10-ft 0.010-slot screen at 17-ft.
		End of Boring at 31ft.	32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

APPENDIX G

MONITORING WELL CONSTRUCTION AND GROUNDWATER SAMPLING LOGS

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW04

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		4/17/2023	4/17/2023
DRILLING EQUIPMENT		**DRILLER**	
AMS 9100 Drill Rig		Adam H	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2.5-Inch Outer Diameter Drill Rod		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2.5 inches		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

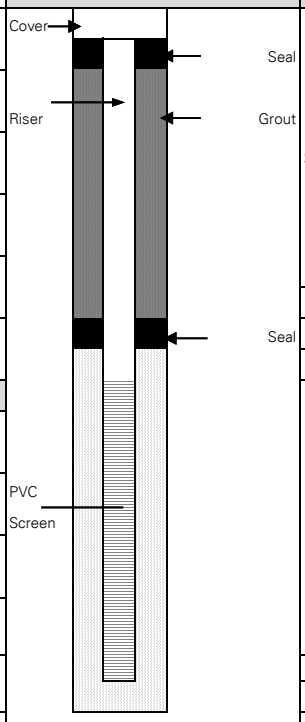
A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 18.5 feet below grade surface (bgs) using 2.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 8 to 18 feet bgs with a riser from 8 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 18 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	4
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	8
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	18
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	4
Top of Filter	6
Top of Screen	8
Bottom of Screen	18
Bottom of Boring	18.5

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW16

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		4/2/2023	4/2/2023
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Michael Kolasinsk	
SIZE AND TYPE OF BIT		**INSPECTOR**	
3.5-Inch Outer Diameter Drill Rod		Seyena Simpson	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
3.5 inches		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

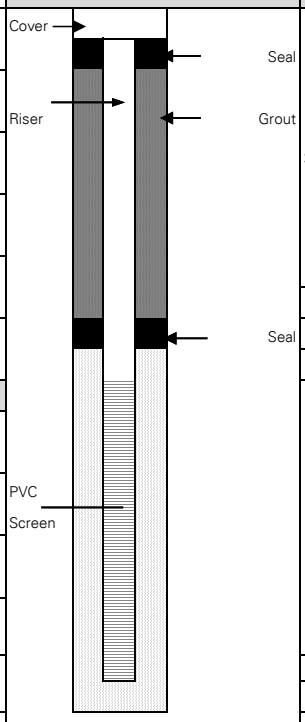
A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 18.5 feet below grade surface (bgs) using 3.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 8 to 18 feet bgs with a riser from 8 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 18.5 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	4
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	8
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	18
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	4
Top of Filter	6
Top of Screen	8
Bottom of Screen	18
Bottom of Boring	18.5

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

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

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH2_MW25

PROJECT		PROJECT NO.	
691 Lenox Avenue (Phase 2)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		3/21/2023	3/21/2023
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Adam H	
SIZE AND TYPE OF BIT		**INSPECTOR**	
6.5-Inch Outer Diameter Hollow Stem Auger		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
6.5 inches		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	2"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 18.5 feet below grade surface (bgs) using 6.5-inch-outer-diameter hollow stem augers. A two-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid two-inch PVC riser. The well screen was installed from approximately 8 to 18 feet bgs with a riser from 8 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 18.5 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

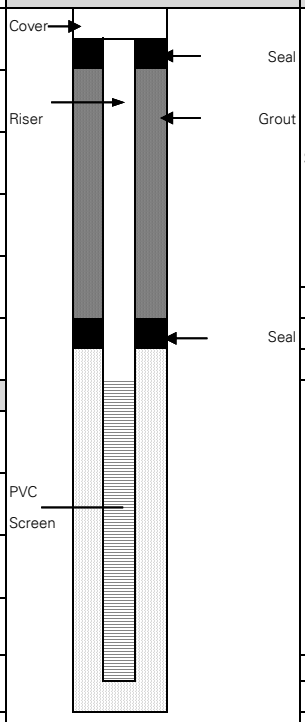
SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	4
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	8
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	18.5
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	4
Top of Filter	6
Top of Screen	8
Bottom of Screen	18
Bottom of Boring	18.5

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW21

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		3/16/2023	3/16/2023
DRILLING EQUIPMENT		**DRILLER**	
AMS 9100 Drill Rig		Adam H	
SIZE AND TYPE OF BIT		**INSPECTOR**	
3.5-Inch Outer Diameter Drill Bit		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
3.5 inches		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 24.5 feet below grade surface (bgs) using 3.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 14 to 24 feet bgs with a riser from 14 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 24.5 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

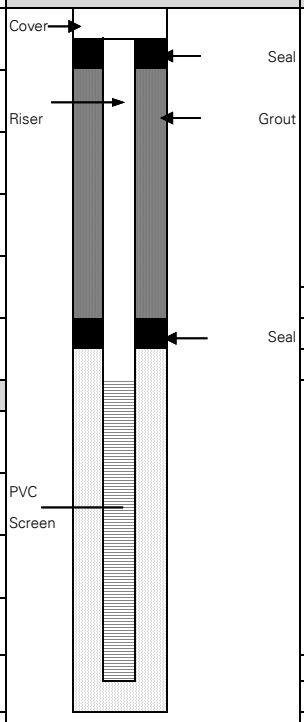
SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	10
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	12
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	14
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	24.5
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	10
Top of Filter	12
Top of Screen	14
Bottom of Screen	24
Bottom of Boring	24.5

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW22

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		3/15/2023	3/15/2023
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Adam H	
SIZE AND TYPE OF BIT		**INSPECTOR**	
3.5-Inch Outer Diameter Drill Bit		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
3.5 inches		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

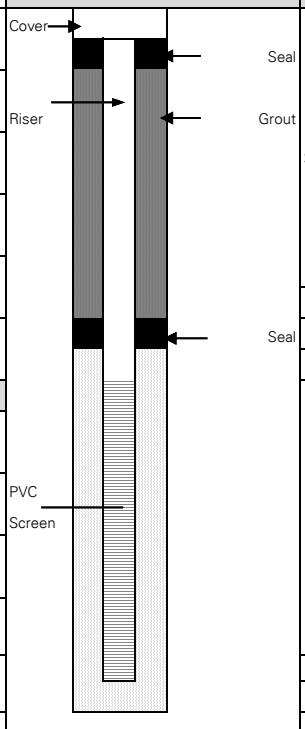
A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 23.5 feet below grade surface (bgs) using 3.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 13 to 23 feet bgs with a riser from 13 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 23.5 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	9
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	11
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	13
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	23.5
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	9
Top of Filter	11
Top of Screen	13
Bottom of Screen	23
Bottom of Boring	23.5

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW25

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		4/2/2023	4/2/2023
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Michael Kolasinsk	
SIZE AND TYPE OF BIT		**INSPECTOR**	
3.5-Inch Outer Diameter Drill Rod		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
3.5 inches		Seyena Simpson	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

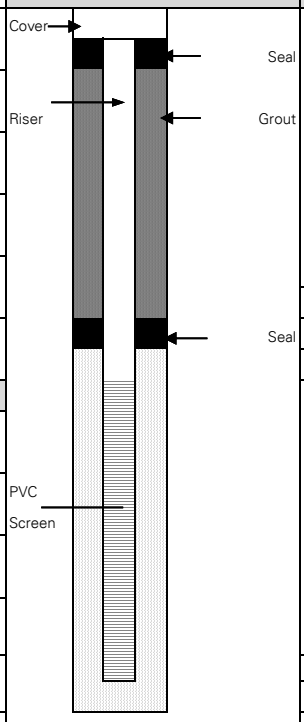
A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 19.5 feet below grade surface (bgs) using 3.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 9 to 19 feet bgs with a riser from 9 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 19.5 feet bgs to 2 feet above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	5
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	7
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	9
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	19
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	5
Top of Filter	7
Top of Screen	9
Bottom of Screen	19
Bottom of Boring	19.5

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. PH1_MW26

PROJECT		PROJECT NO.	
687 Lenox Avenue (Phase 1)		170635401	
LOCATION		**ELEVATION AND DATUM**	
Manhattan, NY		N/A (pending survey)	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services		4/2/2023	4/2/2023
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 420 M		Michael Kolasinsk	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2.5-Inch Outer Diameter Drill Rod		Jack Frey	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2.5 inches		Seyena Simpson	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1"	Clean Soil Cuttings	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1"	No. 1 Sand	Bentonite

METHOD OF INSTALLATION

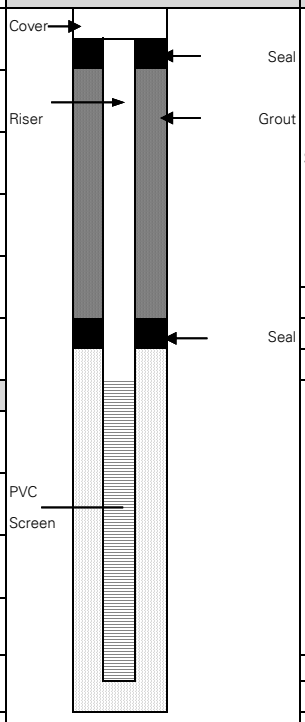
A Geoprobe 6610 DT Drill Rig was used to advance a borehole to approximately 17.5 feet below grade surface (bgs) using 2.5-inch-outer-diameter drill rod. A one-inch PVC monitoring well was installed, which consisted of a 10-foot-long 10-slot (0.010-inch) well screen and a solid one-inch PVC riser. The well screen was installed from approximately 7 to 17 feet bgs with a riser from 7 feet bgs to surface grade. Clean No.1 sand was used to backfill the borehole annulus from about 17.5 feet bgs to 1 foot above the top of the well screen and a 2-foot-thick bentonite seal was placed above the sand pack. The remainder of the borehole annulus was backfilled with clean soil cuttings followed by a 2-foot-thick bentonite seal. The well was finished with a permanent manhole cover set in concrete.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Submersible	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	4 LPM	Approximately 5 gallons of groundwater were pumped during development until purge water was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	5	

TOP OF CASING	ELEVATION	DEPTH (ft)
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	4
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	7
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	17.5
SCREEN LENGTH		10
SLOT SIZE		No. 10 Slot; 0.010 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
Refer to Boring Logs for Summary of Soil Classification	
Top of Seal	4
Top of Filter	6
Top of Screen	7
Bottom of Screen	17
Bottom of Boring	17.5

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A		ft
N/A		ft
N/A		
N/A		
N/A		
N/A		

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

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW04	**Water Quality Device Model:**	Horiba	**Weather:**	Overcast/Rain/ Indoors, 50-60 F°	**Sample(s):**	PH1_MW04_050423
Project Number:	170635403	**Well Depth:**	18'	**Pine Number:**	51666	**Background PID (ppm):**	0.0		
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Jack Frey	**Well Screen**	8-18'	**Pine Number:**	51860	**Pump Intake Depth:**	12'	**Sample Date:**	5/4/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	13.96	**Sample Time:**	10:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
9:30	17.58	7.10	-120	0.848	1000.0	5.42			0	Cloudy, black, no odor	**N/A**
9:35	17.62	7.14	-125	0.842	1000.0	3.58		0.05	0.25		**N/A**
9:40	17.70	7.14	-131	0.838	1000.0	2.17		0.05	0.5		**N**
9:45	17.74	7.14	-133	0.837	1000.0	1.03		0.10	1		**N**
9:50	18.02	7.14	-141	0.830	1000.0	0.58		0.05	1.25		**N**
9:55	18.09	7.14	-153	0.827	1000.0	0.29		0.10	1.75		**N**
10:00	18.14	7.15	-158	0.805	1000.0	0.18		0.05	2		**N**
10:05	18.15	7.17	-161	0.798	838.0	0.07		0.10	2.5		**N**
10:10	18.15	7.17	-160	0.797	542.0	0.00		0.10	3		**N**
10:15	18.18	7.17	-160	0.797	358.0	0.00		0.10	3.5		**N**
10:20	18.19	7.17	-160	0.797	248.0	0.00		0.10	4		**N**
10:25	18.19	7.18	-159	0.795	224.0	0.00		0.10	4.5		**N**
10:30	18.20	7.18	-159	0.794	208.0	0.00		0.10	5		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW16	**Water Quality Device Model:**	Horiba	**Weather:**	Overcast/Rainy/ Indoors, 50-60 F°	**Sample(s):**	PH1_MW16_050423
Project Number:	170635403	**Well Depth:**	18'	**Pine Number:**	51666	**Background PID (ppm):**	0.0		
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Jack Frey	**Well Screen**	8-18'	**Pine Number:**	51860	**Pump Intake Depth:**	14'	**Sample Date:**	5/4/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	9.82	**Sample Time:**	12:50

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:30	19.20	7.25	-160	1.400	58.4	0.00			0		**N/A**
11:35	19.15	7.19	-161	1.390	28.5	0.00		0.10	0.5		**N/A**
11:40	19.09	7.18	-163	1.360	9.4	0.00		0.10	1		**N**
11:45	19.05	7.17	-163	1.350	5.8	0.00		0.10	1.5		**N**
11:50	19.04	7.17	-164	1.340	4.5	0.00		0.10	2		**N**
11:55	19.04	7.17	-166	1.340	3.6	0.00		0.05	2.25		**N**
12:00	19.04	7.17	-166	1.340	2.9	0.00		0.10	2.75		**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW19	**Water Quality Device Model:**	Horiba	**Weather:**	Party Cloudy		PH1_MW19_050323
Project Number:	170635403	**Well Depth:**	18'	**Pine Number:**	51666	**Background PID (ppm):**	0.0	**Sample(s):**	PH1_GWDUP01_050323
Site Location:	Manhattan, NY	**Well Diameter:**	2"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Jack Frey	**Well Screen**	8-18'	**Pine Number:**	51860	**Pump Intake Depth:**	12'	**Sample Date:**	5/3/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**		**Sample Time:**	14:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:05	16.64	6.88	67	0.902	25.0	4.81			0		**N/A**
13:10	16.25	6.86	-35	0.924	24.0	0.00		0.05	0.25		**N/A**
13:15	16.20	6.78	-37	0.935	22.5	0.00		0.05	0.5		**N**
13:20	16.13	6.73	-37	0.966	19.9	0.00		0.10	1		**N**
13:25	16.13	6.73	-40	0.975	18.5	0.00		0.10	1.5		**N**
13:30	16.14	6.69	-41	0.980	14.2	0.00		0.10	2		**N**
13:35	16.14	6.68	-44	0.989	9.8	0.00		0.10	2.5		**N**
13:40	16.15	6.68	-45	0.992	3.4	0.00		0.10	3		**N**
13:45	16.15	6.66	-45	0.992	2.8	0.00		0.10	3.5		**N**
13:50	16.15	6.65	-45	0.993	2.4	0.00		0.10	4		**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW21	**Water Quality Device Model:**	Horiba	**Weather:**	Sunny, 50-70 F°		PH1_MW21050523
Project Number:	170635403	**Well Depth:**	24'	**Pine Number:**	51666	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.8		
Sampling	Jack Frey	**Well Screen**	14-24'	**Pine Number:**	51860	**Pump Intake Depth:**	20'	**Sample Date:**	5/5/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	12.33	**Sample Time:**	13:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
12:30	16.77	6.99	-14	1.350	54.8	1.44			0	Clear water, petroluem-like odors	**N/A**
12:35	16.74	6.95	-139	1.340	21.3	0.00		0.10	0.5		**N/A**
12:40	16.74	6.94	-138	1.330	18.2	0.00		0.10	1		**N**
12:45	16.74	6.94	-138	1.330	15.9	0.00		0.10	1.5		**N**
12:50	16.73	6.94	-138	1.330	11.4	0.00		0.10	2		**N**
12:55	16.73	6.93	-138	1.330	9.2	0.00		0.10	2.5		**N**
13:00	16.73	6.93	-138	1.330	5.4	0.00		0.10	3		**N**
13:05	16.73.	6.93	-137	1.330	4.9	0.00		0.10	3.5		**N**
13:10	16.71	6.93	-137	1.330	3.8	0.00		0.10	4		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW22	**Water Quality Device Model:**	Horiba	**Weather:**	Sunny, 50-70 F°	**Sample(s):**	PH1_MW22050523
Project Number:	170635403	**Well Depth:**	23'	**Pine Number:**	51666	**Background PID (ppm):**	0.0		MS/MSD
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Jack Frey	**Well Screen**	13-23'	**Pine Number:**	51860	**Pump Intake Depth:**	18'	**Sample Date:**	5/5/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	11.90	**Sample Time:**	11:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:50	17.32	6.75	-68	2.04	191.0	0.17			0	Clear water, no odor	**N/A**
10:55	17.38	6.75	-58	2.04	158.0	0.15		0.05	0.25		**N/A**
11:00	17.45	6.75	-47	2.04	91.4	0.14		0.15	1		**N**
11:05	17.55	6.76	-31	2.04	48.9	0.11		0.10	1.5		**N**
11:10	17.57	6.76	-24	2.04	21.1	0.10		0.10	2		**N**
11:15	17.62	6.77	-21	2.03	8.7	0.00		0.10	2.5		**N**
11:20	17.63	6.76	-20	2.02	4.9	0.28		0.10	3		**N**
11:25	17.63	6.76	-19	2.01	4.0	0.22		0.10	3.5		**N**
11:30	17.63	6.76	-19	2.01	3.8	0.00		0.10	4		**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW25	**Water Quality Device Model:**	Horiba	**Weather:**	Overcast/Rain/ Indoors, 50-60 F°	**Sample(s):**	PH1_MW25_050423
Project Number:	170635403	**Well Depth:**	19'	**Pine Number:**	51666	**Background PID (ppm):**	0.0		
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Jack Frey	**Well Screen**	9-19'	**Pine Number:**	51860	**Pump Intake Depth:**	14'	**Sample Date:**	5/4/2023
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	9.37'	**Sample Time:**	15:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:20	17.06	7.23	98	0.750	290.0	0.07			0		**N/A**
13:25	17.02	7.22	95	0.680	89.4	0.00		0.10	0.5		**N/A**
13:30	16.99	7.21	91	0.611	24.3	0.00		0.10	1		**N**
13:35	16.99	7.17	92	0.571	6.8	0.00		0.10	1.5		**N**
13:40	17.00	7.02	104	0.590	4.1	0.00		0.10	2		**N**
13:45	17.00	6.92	106	0.591	3.7	0.00		0.10	2.5		**N**
13:50	17.00	6.92	106	0.591	3.4	0.00		0.10	3		**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45 Phase 1	**Well No:**	PH1_MW26	**Water Quality Device Model:**	Horiba	**Weather:**	Sunny, 50-70 F°		PH1_MW26_031424
Project Number:	170635403	**Well Depth:**	17'	**Pine Number:**		**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	Manhattan, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristatic	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Carli Piretra	**Well Screen**	7-17'	**Pine Number:**		**Pump Intake Depth:**	12'	**Sample Date:**	3/14/2024
Personnel:		**Interval:**		**Tubing Diameter:**	1/4" ID X 3/8"OD	**Depth to Water Before Purge:**	11.25	**Sample Time:**	9:46

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
9:00	17.34	6.82	152	1.110	0.6	0.57	11.25		0.25	No Color, no Odor	**N/A**
9:05	16.66	7.04	116	0.923	0.0	0.10	11.25	0.05	0.5	No Color, no Odor	**N/A**
9:10	16.55	7.06	116	0.930	0.2	0.07	11.25	0.05	0.75	No Color, no Odor	**N**
9:15	16.38	7.10	109	0.933	0.0	0.00	11.25	0.05	1	No Color, no Odor	**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

APPENDIX H

SOIL VAPOR CONSTRUCTION LOGS, SAMPLING LOGS, AND NYSDOH INDOOR AIR QUESTIONNAIRES

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SV21_030824

PROJECT: 691 Lenox Ave - Phase 1		**PROJECT NO.:** 170635402	
LOCATION: New York, New York		**SURFACE ELEVATION AND DATUM:** Pending survey data	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		**INSTALLATION DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSTALLATION FOREMAN: Mike Kolasinski		**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M		**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Camille Quick		**SAMPLER:** Camille Quick	
POTENTIAL SAMPLE INTERFERENCES: N/A		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
		Temp:	37-53 F
		Wind:	6-12 mph, N
		Precipitation:	None
		Pressure:	30.27 inHg

METHOD OF INSTALLATION AND PURGING:

Lakewood installed soil vapor probe PH1_SV21 by advancing 2.25-inch-outer-diameter by 4-foot-long macrocores to 11 feet below grade surface (bgs). The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 10 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 9 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with No. 1 sand and an about 2-foot thick bentonite seal at surface grade.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** No. 1 Sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** Sand

PURGE VOLUME (L):	0.054	
PURGE FLOW RATE (ML/MIN):	94.74	
PID AFTER PURGE (PPM):	0.00	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	11.6%	N/A
HELIUM TEST IN TUBE (PPM):	0.00	N/A
SAMPLE START TIME:	11:28	
SAMPLE STOP TIME:	13:15	
TOTAL SAMPLE TIME (MIN):	107	
REGULATOR FLOW RATE (L/MIN):	43	
VOLUME OF SAMPLE (LITERS):	4601	
PID AFTER SAMPLE (PPM):	0.00	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	18300	
REGULATOR SERIAL NUMBER:	20239	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE / SURFACE		
Top of Seal	0.00	
Backfill		
Top of Seal	7.00	
Top of Pack	9.00	
Probe Depth	10.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SV22_030824

PROJECT: 691 Lenox Ave - Phase 1		**PROJECT NO.:** 170635402	
LOCATION: New York, New York		**SURFACE ELEVATION AND DATUM:** Pending survey data	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		**INSTALLATION DATE STARTED:** 3/16/2023	**DATE FINISHED:** 3/16/2023
INSTALLATION FOREMAN: Adam Hutchinson		**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Jack Frey		**SAMPLER:** Camille Quick	
POTENTIAL SAMPLE INTERFERENCES: N/A		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 37-53F; Wind: 6-12 mph, N; Precipitation: 0; Pressure: 30.27 inHg	

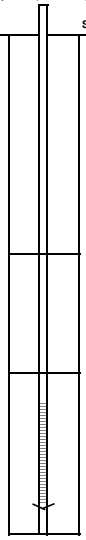
METHOD OF INSTALLATION AND PURGING:

Lakewood installed soil vapor probe PH1_SV22 by advancing 2.25-inch-diameter by 4-foot-long macrocores to 10 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 9.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 8 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 0.5-foot thick bentonite seal at surface grade.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** No.1 Sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** Sand

PURGE VOLUME (L):	0.054	
PURGE FLOW RATE (ML/MIN):	94.74	
PID AFTER PURGE (PPM):	0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	9.6%	N/A
HELIUM TEST IN TUBE (PPM):	0.00	N/A
SAMPLE START TIME:	11:09	
SAMPLE STOP TIME:	19:09	
TOTAL SAMPLE TIME (MIN):	480	
REGULATOR FLOW RATE (L/MIN):	9.73	
VOLUME OF SAMPLE (LITERS):	4670.4	
PID AFTER SAMPLE (PPM):	0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	37013	
REGULATOR SERIAL NUMBER:	6869	
CAN START VACUUM PRESS. (" HG):	-29.82	
CAN STOP VACUUM PRESS. (" HG):	-7.51	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	6.00	
Top of Pack	8.00	
Probe Depth	9.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SV25_030824

PROJECT: 691 Lenox Ave - Phase 1		**PROJECT NO.:** 170635402	
LOCATION: New York, New York		**SURFACE ELEVATION AND DATUM:** Pending survey data	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		**INSTALLATION DATE STARTED:** 4/17/2023	**DATE FINISHED:** 4/17/2023
INSTALLATION FOREMAN: Mike Kolasinski		**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSTALLATION EQUIPMENT: AMS 9100		**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Jack Frey		**SAMPLER:** Camille Quick	
POTENTIAL SAMPLE INTERFERENCES: Not able to sample full 8 hours; building closed by 6pm		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
		Temp:	37-53F
		Wind:	6-12 mph, N
		Precipitation:	0
		Pressure:	30.27 inHg

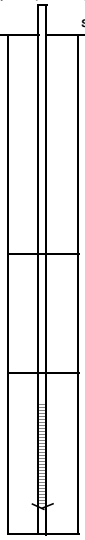
METHOD OF INSTALLATION AND PURGING:

Lakewood installed soil vapor probe PH1_SV25 by advancing 2.25-inch-diameter by 4-foot-long macrocores to 10 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 9.5 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 8 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 0.5-foot thick bentonite seal at surface grade.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** No. 1 Sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** Sand

PURGE VOLUME (L):	0.054	
PURGE FLOW RATE (ML/MIN):	94.74	
PID AFTER PURGE (PPM):	0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	23.1%	N/A
HELIUM TEST IN TUBE (PPM):	50.00	N/A
SAMPLE START TIME:	10:51	
SAMPLE STOP TIME:	18:07	
TOTAL SAMPLE TIME (MIN):	436	
REGULATOR FLOW RATE (L/MIN):	10.51	
VOLUME OF SAMPLE (LITERS):	4582.36	
PID AFTER SAMPLE (PPM):	0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	10013	
REGULATOR SERIAL NUMBER:	19387	
CAN START VACUUM PRESS. (" HG):	-30.2	
CAN STOP VACUUM PRESS. (" HG):	-8.42	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



	DEPTH (FEET FROM SURFACE)	NOTES
	0.00	
Top of Seal	6.00	
Top of Pack	8.00	
Probe Depth	9.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SV26_030824

PROJECT: 691 Lenox Ave - Phase 1		**PROJECT NO.:** 170635402	
LOCATION: New York, New York		**SURFACE ELEVATION AND DATUM:** Pending survey data	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		**INSTALLATION DATE STARTED:** 3/7/2024	**DATE FINISHED:** 3/7/2024
INSTALLATION FOREMAN: Mike Kolasanski		**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M		**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Camille Quick		**SAMPLER:** Camille Quick	
POTENTIAL SAMPLE INTERFERENCES: N/A		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
		Temp:	37-53F
		Wind:	6-12 mph, N
		Precipitation:	0
		Pressure:	30.27 inHg

METHOD OF INSTALLATION AND PURGING:

Lakewood installed soil vapor probe PH1_SV25 by advancing 2.25-inch-diameter by 4-foot-long macrocores to 7 feet bgs. The soil vapor probe was constructed using a 1.875-inch polyethylene implant installed at about 7 feet bgs followed by Teflon-lined tubing to surface grade. The annulus was backfilled with No. 1 sand to about 6 feet bgs followed by an about 2-foot thick bentonite seal. The remainder of the borehole was backfilled with bentonite chips and an about 0.5-foot thick bentonite seal at surface grade.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** No. 1 Sand
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** Sand

PURGE VOLUME (L):	0.0378	
PURGE FLOW RATE (ML/MIN):	66.32	
PID AFTER PURGE (PPM):	0.00	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	16.5%	N/A
HELIUM TEST IN TUBE (PPM):	0.00	N/A
SAMPLE START TIME:	11:58	
SAMPLE STOP TIME:	13:58	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	39.35	
VOLUME OF SAMPLE (LITERS):	4722	
PID AFTER SAMPLE (PPM):	0.00	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	37382	
REGULATOR SERIAL NUMBER:	19397	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-7.62	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FEET FROM SURFACE)	NOTES
0.0	
4	
6	
7	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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AIR SAMPLING LOG SHEET

Sample Number: PH1_IA22_030824

PROJECT: 691 Lenox Ave - Phase 1	**PROJECT NO.:** 170635402	
LOCATION: New York, New York	**SURFACE ELEVATION AND DATUM:** N/A	
SAMPLER: Camille Quick	**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSPECTOR: Camille Quick	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: N/A	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
	Temp:	37-53F
	Wind:	6-12 mph, N
	Precipitation:	0
	Pressure:	30.27 inHg

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS

HEIGHT ABOVE GROUND (FT):	4
PID BEFORE SAMPLE (PPM):	0.0
SAMPLE START TIME:	11:09
SAMPLE STOP TIME:	19:09
TOTAL SAMPLE TIME (MIN):	480
REGULATOR FLOW RATE (L/MIN):	10.69
VOLUME OF SAMPLE (LITERS):	5131.2
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	22080
REGULATOR SERIAL NUMBER:	19426
CAN START VACUUM PRESS. (" HG):	-30.21
CAN STOP VACUUM PRESS. (" HG):	-5.22

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

AIR SAMPLING LOG SHEET

Sample Number: PH1_IA25_030824

PROJECT: 691 Lenox Ave - Phase 1	**PROJECT NO.:** 170635402	
LOCATION: New York, New York	**SURFACE ELEVATION AND DATUM:** N/A	
SAMPLER: Camille Quick	**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSPECTOR: Camille Quick	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: Not able to sample full 8 hours; building closed by 6pm	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
	Temp:	37-53F
	Wind:	6-12 mph, N
	Precipitation:	0
	Pressure:	30.27 inHg

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS

HEIGHT ABOVE GROUND (FT):	3
PID BEFORE SAMPLE (PPM):	0.0
SAMPLE START TIME:	10:51
SAMPLE STOP TIME:	18:07
TOTAL SAMPLE TIME (MIN):	436
REGULATOR FLOW RATE (L/MIN):	10.3
VOLUME OF SAMPLE (LITERS):	4490.8
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	24121
REGULATOR SERIAL NUMBER:	16420
CAN START VACUUM PRESS. (" HG):	-30.47
CAN STOP VACUUM PRESS. (" HG):	-8.61

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

AIR SAMPLING LOG SHEET

Sample Number: PH1_AA01_030824

PROJECT: 691 Lenox Ave - Phase 1		**PROJECT NO.:** 170635402	
LOCATION: New York, New York		**SURFACE ELEVATION AND DATUM:** N/A	
SAMPLER: Camille Quick		**SAMPLE DATE STARTED:** 3/8/2024	**DATE FINISHED:** 3/8/2024
INSPECTOR: Camille Quick		**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: N/A		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	
		Temp:	37-53F
		Wind:	6-12 mph, N
		Precipitation:	0
		Pressure:	30.27 inHg

METHOD OF INSTALLATION AND SAMPLING:

Langan screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. The flow controller was zeroed and valve opened to initiate the 8-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.

SAMPLE DETAILS

HEIGHT ABOVE GROUND (FT):	4
PID BEFORE SAMPLE (PPM):	0.0
SAMPLE START TIME:	11:20
SAMPLE STOP TIME:	18:51
TOTAL SAMPLE TIME (MIN):	451
REGULATOR FLOW RATE (L/MIN):	11.05
VOLUME OF SAMPLE (LITERS):	4983.55
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	23989
REGULATOR SERIAL NUMBER:	4764
CAN START VACUUM PRESS. (" HG):	-29.12
CAN STOP VACUUM PRESS. (" HG):	-5.01

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
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NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Carli Piretra Date/Time Prepared 03/14/2024

Preparer's Affiliation Langan Engineering Phone No. 201-846-3841

Purpose of Investigation One45 - Indoor air/Soil Vapor Sampling

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: 641 Lenox Don't know official address of 99 cent store

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location varies Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: N/A

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Storefront (not active)

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? Y / (N) How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

None; front door does not open + central air not currently on

Outdoor air infiltration

None; front door does not open + central air not currently on

Infiltration into air ducts

None; front door does not open + central air not currently on

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	full	crawlspace	slab	other N/A
c. Basement floor:	concrete	dirt	stone	other N/A
d. Basement floor:	uncovered	covered	covered with N/A	
e. Concrete floor:	unsealed	(sealed)	sealed with _____	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

N/A

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Unknown

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other Unknown
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

The system is present but not on + there is a drop ceiling so ducts cannot be seen.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Storage currently but used as a store front prior
2nd Floor	Vacant
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present? Y / N Where? Unknown

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? Unknown

i. Have cosmetic products been used recently? Y / N When & Type? Unknown

j. Has painting/staining been done in the last 6 months? Y / N Where & When? Unknown

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? Unknown

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented?_____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented?_____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? Unknown

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Unknown

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
(Unknown)

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

See Sample Location Plan

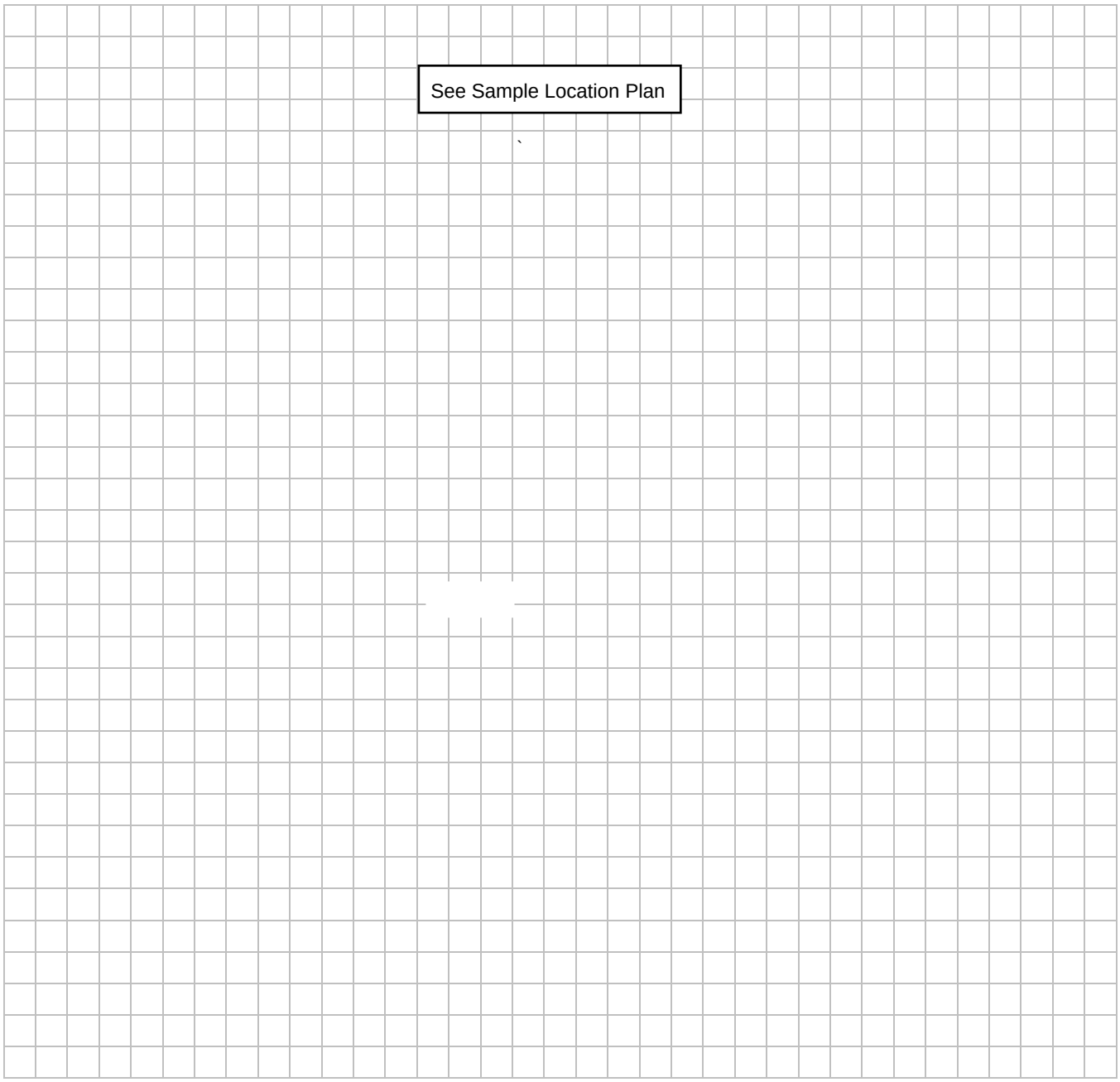
First Floor:

See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Site Name: **One45- Phase 1**

Langan Project No.: 170635401

Site Location: **Manhattan, NY**

Date: 03/15/2024

Make and model of field instrument used: MultiRAE

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
Main Room	Tub o' Towels; heavy duty disinfectant wipes	N/A	O	d-limonone, dimethyl glutarate, dimethyl adipate, dimethyl succinate, poly (oxy-1,2-ethanediyl), (alpha-(4-nonylpheny)-omega-hydroxy, diethanolamine	0	Y
Main Room	Originals Hair mayonaise	15 oz	O	Aqua (Water), Glycerin, Paraffinum Liquidum (Mineral Oil), Dicetyldimonium Chloride, Polyquaternium-32, Lanolin Oil, Behentrimonium MethoSulfate, Olea Europaea (Olive) Fruit Oil, Cetyl Alcohol, DMDM Hydantoin, Cetearyl Alcohol, Phenyl Trimethicone, Parfum (Fragrance), Dimethicone PEG-8 Laurate, Origanum Vulgare (Oregano) Leaf, Daucus Carota Sativa (Carrot) Seed Oil, Cholesterol, Soluble Collagen, Tocopherol, Ovum (Egg Powder), Panthenol, Carthamus Tinctorius (Safflower) Seed Oil, CI 19140 (Yellow 5), CI 42090 (Blue 1), CI 16035 (Red 40), Rosmarinus Officinalis (Rosemary) Leaf Extract, Equisetum Hiemale (Horsetail) Extract, Urtica Dioica (Nettle) Extract.	0	Y
Main Room	Minwax Clear Aerosol Lacquer	12.25 oz	O	isopropanol, 2-butoxyethanol, dimethyl ether, hydrated silica	0	Y
Main Room	Rust oleum Primer	12 gal	O	Propane, butyl acetate, talc, C13-14 isoparaffin, naphtha, petroleum, hydrotreated light, butane, iron (III) oxide, dimethyl carbonate, acetone, xylene	0	Y
Main Room	SEM color coat	12 oz	O	toluene, butanone, 2-methoxy-1-methylethyl acetate, 2-(propylox) ethanol, ethylbenzene	0	Y
Main Room	Behr Bronze Primer	32 fl. Oz	UO	Acetone, Propane, n-buyl acetate, 2-methoxy-1-methylethyl acetate, isobutane, ethyl-2-ethoxy propionate, methym ethyl ketone, aluminium,	0	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Carli Piretra Date/Time Prepared 03/14/2024

Preparer's Affiliation Langan Engineering Phone No. 201-846-3841

Purpose of Investigation One45 - Indoor air/Soil Vapor Sampling

1. OCCUPANT:

Interviewed: (Y)/ N

Last Name: Robinson First Name: Arthur

Address: 641 Lenox

County: _____

Home Phone: (212)- 690- 3070 Office Phone: (646)-260-4469

Number of Occupants/persons at this location varies Age of Occupants 30-60

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: N/A

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Law Firm

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? Y / (N) How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

Front Door

Outdoor air infiltration

Front door of building.

Infiltration into air ducts

Roof

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	full	crawlspace	slab	other partial
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	(sealed)	sealed with _____	
f. Foundation walls:	poured	block	(stone)	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with _____	
h. The basement is:	(wet)	damp	dry	(moldy)
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 8 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

N/A

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in:	Basement	(Outdoors)	Main Floor	Other_____
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y)/ N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Duct work on the ceiling of first floor.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Meters in basement
1st Floor	Law Firm
2nd Floor	Vacant
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y /(N)

b. Does the garage have a separate heating unit? Y / N /(NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N /(NA) Please specify_____

d. Has the building ever had a fire? Y /(N) When?_____

e. Is a kerosene or unvented gas space heater present? Y /(N) Where?_____

f. Is there a workshop or hobby/craft area? Y /(N) Where & Type? _____

g. Is there smoking in the building? Y /(N) How frequently? _____

h. Have cleaning products been used recently? (Y)/ N When & Type? Daily

i. Have cosmetic products been used recently? Y /(N) When & Type? Unknown

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? 5 weeks prior

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? Everyday; aerosol

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented?_____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented?_____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? (Y) / N When & Type? last week; exterminator monthly

Are there odors in the building? (Y) / (N) cannot delete this; should just be yes
If yes, please describe: Bleach-based cleaning supplies

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? N/A

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: N/A
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

See Sample Location Plan

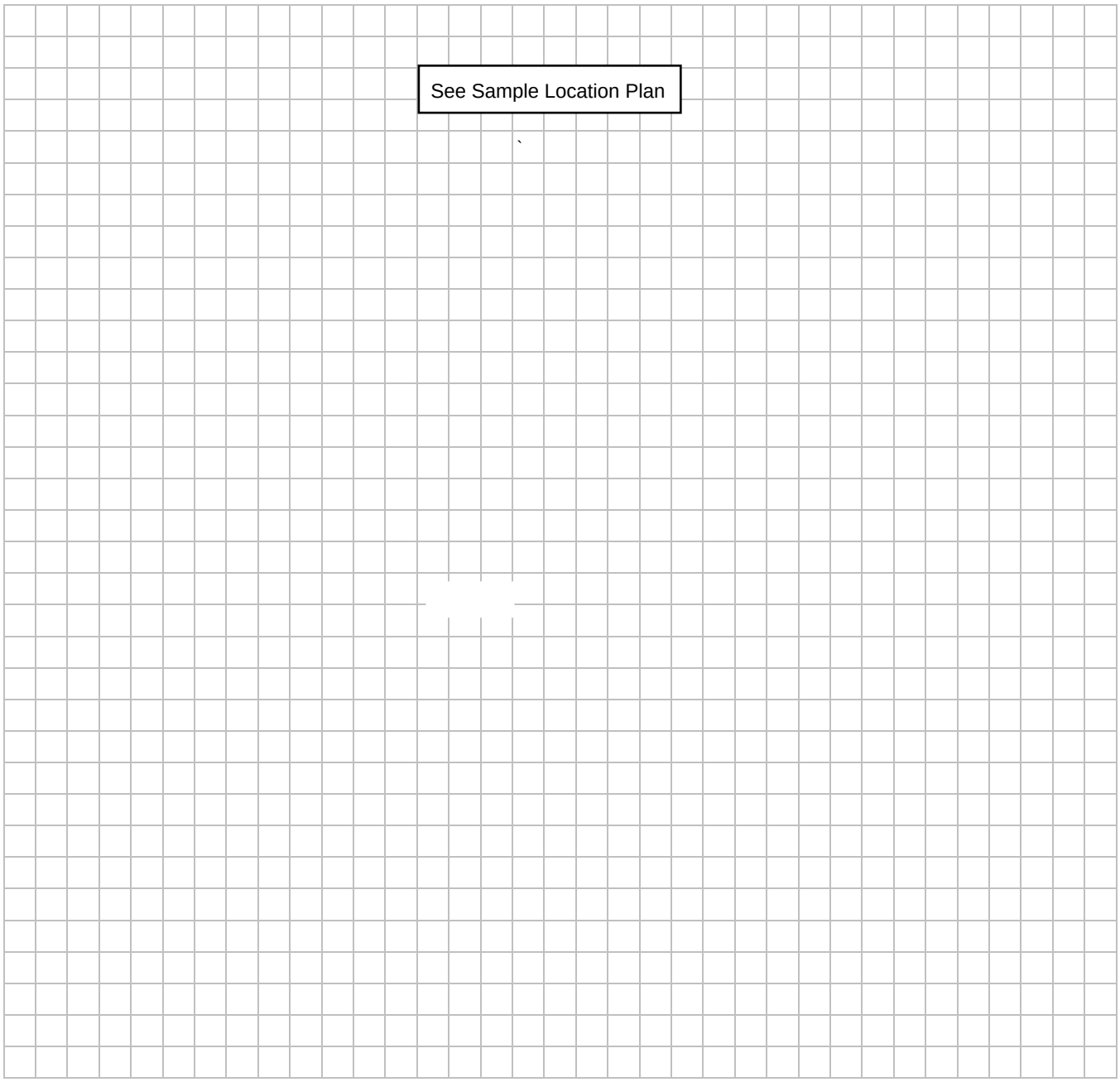
First Floor:

See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Indoor Air Quality Investigation
Pre-Inspection Product Inventory

Site Name: **One45 - Phase 1** **Langan Project No.: 170635401**

Site Location: **Manhattan, NY** **Date: 03/15/2024**

Make and model of field instrument used: MultiRAE

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
Front Desk	Aerosol air freshner	5 oz	O	C13-14 isoparaffin, Butane, Propane, 1,1-Difluoroethane (hydrofluorocarbon 152A), Fragrences/ perfumes, isobutane, linalool	0	Y
Front Desk	Odor control fogger	5 oz	O	Acetone, Propane, Butane, PPG- Methyl Ether Acetate, C13-14 isoparaffin, terpenes and terpenoids, sweet orange oil, alpha-Terpineol, Fragrances/perfumes, eugenol, terpinotene, juniperus virginiana oil, illicium verum oil, eucalyptus globulus leaf oil, abies sibirica leaf oil	0	Y
Front Desk	Clorox disinfectant with bleach	22 fl. Oz	O	Sodium hypochlorite, sodium hydroxide, water, fragrances/perfumes, lauramine oxide, sodium silicate, dimethicone/silica/PEG distearate	0	Y
Front Desk	Zevo insect killer	10 oz	O	White mineral oil (petroleum, carbon dioxide, isopropanol, geraniol	0	Y
Front Desk	Windex foaming glass spray	1.2 lb	O	Water, propane, isobutanr, linalool, butylphenyl methylpropional, eugenol, hexyl cinnamal, citronellol, geraniol, ethylene glycol n-hexyl ether,	0	Y
Front Desk	3M Super 77 Multipurpose Adhesive	16.7 Oz	O	tane, cyclohexane, 3-methylpentane, 2,3-dimethylbuta	0	Y
Custodial Closet	Black Jakck fly & mosquito killer	10 oz	O	um hydotreated heavy, sumithrin, tetramethrin, sodium	0	Y
Front Desk	Clorox Toilet wand	N/A	O	D-glucopyranose, oligomeric, C9-11-alkyl glycosides, hydroxyacetic acid, sodium lauryl sulfate (sls), sodium dodecyl diphenyl oxide disulfonate,	0	Y
Custodial Closet	Clorox Wipes	N/A	O	Myristyl dimethyl benzyl ammonium chloride, isopropanol, n-alkyl (C12 68%, C14 32%) dimethyl ethylbenzyl ammonium chloride	0	Y
Custodial Closet	Pine sol all purpose cleaner	144 fl oz	O	Alcohols, C10-14, ethyloxylated, water, fragrances/perfumes, hydroxyethyl cellulose, sodium C14-17 alkyl sec sulfonate, sodium carbonate	0	Y

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

Indoor Air Quality Investigation
Pre-Inspection Product Inventory

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Indoor Air Quality Investigation
Pre-Inspection Product Inventory

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

APPENDIX I

DATA USABILITY SUMMARY REPORTS

Created with a trial version of Syncfusion Essential DocIO.

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Greg Wyka, Langan Senior Project Geologist

From: Joe Conboy, Langan Senior Staff Chemist

Date: May 02, 2024

Re: Data Usability Summary Report
For 691 Lenox Avenue - Phase 1
March and April 2023 and March 2024 Soil Samples
Langan Project No.: 170635402

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in March and April 2023 and March 2024 by Langan Engineering and Environmental Services at 691 Lenox Avenue (One 45) - Phase 1. 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, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260D
- SVOCs by SW-846 Method 8270E/8270E SIM
- PFAS by USEPA Method 1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6010D/7470A
- TCLP Metals by SW-846 Method 6010D
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. 9 SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. 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; however, the reported reporting limit 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 considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified 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. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260D

L2313526

The LCS/LCSD for batch WG1756958 exhibited a percent recovery above the UCL for carbon disulfide (148%, 145%). The associated results in sample PH1_SB22_6-8 and PH1_SB22_14-16 are qualified as J because of potential high bias.

L2314346

The LCS/LCSD for batch WG1757731 exhibited a percent recovery above the UCL for carbon disulfide (183%, 137%). The associated detected results in samples PH1_SB20_10-12 and PH1_SB20_16-18 are qualified as J because of potential high bias.

The LCS/LCSD for batch WG1757731 exhibited percent recoveries below the LCL for methyl isobutyl ketone (59%), vinyl acetate (66%, 66%), and 2-hexanone (56%) and RPDs above the control limit for methyl isobutyl ketone (47%) and 2-hexanone (35%). The associated results in

samples PH1_SB20_10-12 and PH1_SB20_16-18 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch WG1757731 exhibited RPDs above the control limit for toluene (34%), vinyl chloride (35%), and trans-1,3-dichloropropene (34%). The associated results in samples PH1_SB20_10-12 and PH1_SB20_16-18 are qualified as UJ because of potential indeterminate bias.

The LCS/LCSD for batch WG1757879 exhibited percent recoveries below the LCL for methyl isobutyl ketone (59%), vinyl acetate (66%, 66%), and 2-hexanone (56%), and a RPD above the control limit for 2-hexanone (35%). The associated results in sample PH1_SB20_3-4 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch WG1757879 exhibited RPDs above the control limit for toluene (34%), vinyl chloride (35%), and trans-1,3-dichloropropene (34%). The associated results in sample PH1_SB20_3-4 are qualified as UJ because of potential indeterminate bias.

L2317233

The MB for batch WG1763415 exhibited detections of ethylbenzene (0.15 ug/kg), naphthalene (3.1 ug/kg), and styrene (0.34 ug/kg). The associated detected results in sample PH1_SB25_2-4 are qualified as U at the reporting limit because of potential blank contamination.

The MB for batch WG1763653 exhibited a detection of naphthalene (50 ug/kg). The associated results in samples PH1_SB25_10-12 (high level) and PH1_SB25_14-16 (high level) are qualified as U at the reporting limit because of potential blank contamination.

The case narrative noted samples PH1_SB25_10-12 and PH1_SB25_14-16 exhibited an improper sampling technique for VOC analysis. The associated results are qualified as J/UJ because of potential indeterminate bias. Results previously qualified because of potential blank contamination do not require additional qualification.

The LCS for batch WG1763415 exhibited a percent recovery below the LCL for trans-1,4-dichloro-2-butene (69%). The associated results in sample PH1_SB25_2-4 are qualified as UJ because of potential low bias.

L2412627

The LCS/LCSD for batch WG1895932 exhibited a percent recovery below the LCL for trichlorofluoromethane (63%, 65%). The associated results in sample PH1_SB26_8-10 are qualified as UJ because of potential low bias.

The LCS/LCSD for batch WG1895933 exhibited a percent recovery below the LCL for trichlorofluoromethane (63%, 65%). The associated results in samples PH1_SB26_2-4 and PH1_SB26_4-6 are qualified as UJ because of potential low bias.

L2412985

The MB for batch WG1896309 exhibited a detection of acetone (7.1 ug/kg). The associated detected results in samples PH1_SB24_2-4, PH1_SB24_8.5-10.5, and PH1_SB24_6-8 are qualified as J because of potential blank contamination.

The LCSD for batch WG1896309 exhibited percent recoveries below the LCL for bromomethane (55%), trichlorofluoromethane (66%), and vinyl chloride (63%). The associated results in samples PH1_SB24_2-4, PH1_SB24_8.5-10.5, and PH1_SB24_6-8 are qualified as UJ because of potential low bias.

SVOCs by SW-846 Method 8270E/8270E SIM

L2313767

The FB (PH1_FB02_031623) exhibited detections of 2-methylnaphthalene (0.10 ug/l), acenaphthene (0.03 ug/l), acenaphthylene (0.01 ug/l), anthracene (0.02 ug/l), benzo(a)anthracene (0.02 ug/l), benzo(b)fluoranthene (0.01 ug/l), chrysene (0.01 ug/l), fluoranthene (0.02 ug/l), fluorene (0.03 ug/l), naphthalene (0.18 ug/l), phenanthrene (0.08 ug/l), and pyrene (0.03 ug/l). The associated trace results in samples PH1_SB23_0-2, PH1_SB23_4-6, PH1_SB23_14-16, PH1_SODUP01_031623, PH1_SB21_6-8, and PH1_SB21_16-18 are qualified as U at the reporting limit because of potential blank contamination. Associated results that are non-detect or >10x blank contamination require no qualification.

The LCS and/or LCSD for batch WG1755777 exhibited percent recoveries below the LCL for 1,4-dioxane (34%, 37%), 4-chloroaniline (32%, 29%), and carbazole (52%). The associated results in samples PH1_SB23_4-6, PH1_SB23_14-16, PH1_SB21_6-8, and PH1_SB21_16-18 are qualified as J or UJ because of potential low bias.

The LCS/LCSD for batch WG1757219 exhibited percent recoveries below the LCL for 1,4-dioxane (35%) and bis(2-chloroisopropyl) ether (33%). The associated results in samples PH1_SB23_0-2 and PH1_SODUP01_031623 are qualified as UJ because of potential low bias.

L2412985

The LCS/LCSD for batch WG1895779 exhibited percent recoveries below the LCL for 1,4-dioxane (31%, 28%), 3,3'-dichlorobenzidine (36%, 36%), bis(2-chloroisopropyl) ether (36%, 34%), and carbazole (53%, 51%). The associated results in sample PH1_SB24_2-4, PH1_SB24_8.5-10.5, and PH1_SB24_6-8 are qualified as J or UJ because of potential low bias.

PFAS by USEPA Method 1633

L2314346

The ion ratio observed in sample PH1_SB20_10-12 exhibited poor responses for perfluorooctanesulfonic acid (PFOS). The associated results are qualified as J because of potential indeterminate bias.

L2313767

The ion ratio observed in sample PH1_SODUP01_031623 exhibited poor responses for perfluorooctanesulfonic acid (PFOS). The associated results are qualified as J because of potential indeterminate bias.

The ion ratio observed in sample PH1_SB21_6-8 exhibited poor responses for perfluorooctanesulfonic acid (PFOS). The associated results are qualified as J because of potential indeterminate bias.

L2412627

The LCS for batch WG1894799 exhibited percent recoveries above the UCL for tetrafluoro-2-(heptafluoropropoxy) propanoic acid (151%), perfluoro-3-methoxypropanoic acid (157%), perfluorohexanoic acid (PFHxA) (157%), and perfluoropentanoic acid (PFPeA) (151%). The associated detected results in samples PH1_SB26_2-4, PH1_SB26_8-10, and PH1_SB26_4-6 are qualified as J because of potential high bias.

PCBs by SW-846 Method 8082A

L2313767

The sample PH1_SB23_0-2 exhibited a RPD above the control limit between the primary and secondary GC columns for PCB-1254 (Aroclor 1254). The associated results are qualified as J because of potential indeterminate bias.

Pesticides by SW-846 Method 8081B

L2314346

The sample PH1_SB20_3-4 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDD. The associated results are qualified as J because of potential indeterminate bias.

L2314579

The sample PH1_SS01 exhibited a RPD above the control limit between the primary and secondary GC columns for chlordane (alpha and gamma). The associated results are qualified as J because of potential indeterminate bias.

L2412627

The sample PH1_SB26_4-6 exhibited a RPD above the control limit between the primary and secondary GC columns for 4,4'-DDD. The associated results are qualified as J because of potential indeterminate bias.

Metals by SW-846 Method 6010D/7470A

L2314346

The MB for batch WG1757227 exhibited detections of calcium (1.41 mg/kg), iron (0.456 mg/kg), and sodium (1.69 mg/kg). The associated trace results in samples PH1_SB20_3-4, PH1_SB20_10-12, and PH1_SB20_16-18 are qualified as U at the reporting limit because of potential blank contamination. Associated results that are >10x the blank contamination require no qualification.

L2313767

The FB (PH1_FB02_031623) exhibited a detection of thallium (0.00020 mg/l). The associated trace results in samples PH1_SB23_0-2, PH1_SB23_4-6, PH1_SB23_14-16, PH1_SODUP01_031623, PH1_SB21_6-8, and PH1_SB21_16-18 are qualified as U at the

reporting limit because of potential blank contamination. Associated results that are non-detect require no qualifications.

L2314579

The MS/MSD performed on sample PH1_SS01 exhibited percent recoveries above the UCL for copper (130%, 171%) and potassium (127%). The associated results in sample PH1_SS01 are qualified as J because of potential high bias.

L2317233

The MB for batch WG1762514 exhibited a detection of mercury (0.081 mg/kg). The associated detected results in samples PH1_SB25_2-4, PH1_SB25_10-12, and PH1_SB25_14-16 are qualified as J because of potential blank contamination. Associated results are non-detect require no qualification.

L2412627

The MB for batch WG1895759 exhibited detections of iron (1.33 mg/kg) and thallium (0.164 mg/kg). The associated detected results in samples PH1_SB26_2-4, PH1_SB26_8-10, and PH1_SB26_4-6 are qualified as U at the reporting limit because of potential blank contamination.

Cyanide by SW-846 Method 9012B

L2313526

The LCS for batch WG1757497 exhibited a percent recovery below the LCL for cyanide (49%). The associated results in samples PH1_SB22_6-8 and PH1_SB22_14-16 are qualified as J or UJ because of potential low bias.

The LCS/LCSD for batch WG1757497 exhibited a RPD above the control limit for cyanide (54%). The associated results in samples PH1_SB22_6-8 and PH1_SB22_14-16 are qualified as J or UJ because of potential indeterminate bias.

L2317233

The LCSD for batch WG1764029 exhibited a percent recovery below the LCL for cyanide (71%). The associated results in samples PH1_SB25_2-4, PH1_SB25_10-12, and PH1_SB25_14-16 are qualified as UJ because of potential low bias.

Hexavalent Chromium by SW-846 Method 7196A

L2313526

The LCS for batch WG1756138 exhibited a percent recovery below the LCL for hexavalent chromium (71%). The associated results in samples PH1_SB22_6-8 and PH1_SB22_14-16 are qualified as UJ because of potential low bias.

The MS performed on sample PH1_SB22_14-16 exhibited a percent recovery below the LCL for hexavalent chromium (29%). The associated results in sample PH1_SB22_14-16 are qualified as UJ because of potential low bias.

L2313767

The LCS for batch WG1756138 exhibited a percent recovery below the LCL for hexavalent chromium (71%). The associated results in samples PH1_SB23_0-2, PH1_SB23_4-6, PH1_SB23_14-16, PH1_SODUP01_031623, PH1_SB21_6-8, and PH1_SB21_16-18 are qualified as J or UJ because of potential low bias.

L2412627

The LCS for batch WG1894976 exhibited a percent recovery below the LCL for hexavalent chromium (78%). The associated results in samples PH1_SB26_2-4, PH1_SB26_8-10, and PH1_SB26_4-6 are qualified as J or UJ because of 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.

VOCs by SW-846 Method 8260D

L2313526

The MB for batch WG1756958 exhibited detections of 1,2,3-trichlorobenzene (0.36 ug/kg) and 1,2,4-trichlorobenzene (0.27 ug/kg). The associated results are non-detect. No qualification is necessary.

L2314346

The MB for batch WG1757731 exhibited detections of 1,2,3-trichlorobenzene (0.45 ug/kg) and 1,2,4-trichlorobenzene (0.36 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1757879 exhibited detections of 1,2,3-trichlorobenzene (22 ug/kg) and 1,2,4-trichlorobenzene (18 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1758536 exhibited a detection of bromomethane (0.76 ug/kg). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch WG1757879 exhibited a percent recovery above the UCL for carbon disulfide (183%, 137%). The associated results are non-detect. No qualification is necessary.

L2313767

The MB for batch WG1756958 exhibited detections of 1,2,3-trichlorobenzene (0.36 ug/kg) and 1,2,4-trichlorobenzene (0.27 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1757189 exhibited detections of 1,2,3-trichlorobenzene (0.37 ug/kg), 1,2,4-trichlorobenzene (0.28 ug/kg), and bromomethane (0.64 ug/kg). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch WG1756958 exhibited a percent recovery above the UCL for carbon disulfide (148%, 145%). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch WG1757189 exhibited a percent recovery above the UCL for carbon disulfide (144%, 134%). The associated results are non-detect. No qualification is necessary.

L2314579

The LCS/LCSD for batch WG1757731 exhibited percent recoveries above the UCL for carbon disulfide (150%, 139%). The associated results are non-detect. No qualification is necessary.

The MS and/or MSD performed on sample PH1_SS01 exhibited percent recoveries and/or RPDs outside of control limits for one or more analytes (0% - 140%, RPD 31%). Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

L2412627

The MB for batch WG1895932 exhibited a detection of chloroform (0.28 ug/kg). The associated results are non-detect. No qualification is necessary.

The MB for batch WG1895933 exhibited a detection of chloroform (14 ug/kg). The associated results are non-detect. No qualification is necessary.

The LCSD for batch WG1895932 exhibited a percent recovery above the UCL for acrylonitrile (139%). The associated results are non-detect. No qualification is necessary.

The LCSD for batch WG1895933 exhibited a percent recovery above the UCL for acrylonitrile (139%). The associated results are non-detect. No qualification is necessary.

SVOCs by SW-846 Method 8270E/8270E SIM

L2314579

The MS and/or MSD performed on sample PH1_SS01 exhibited percent recoveries and/or RPDs outside of control limits for one or more analytes (0% - 35%, RPD 52% - 28%). Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

PFAS by USEPA Method 1633

L2313526

The MS/MSD performed on sample PH1_SB22_6-8 exhibited percent recoveries below the LCL for 7:3 ftca (38%, 35%) and 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (157%, 155%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

L2412985

The LCS for batch WG1894799 exhibited percent recoveries above the UCL for tetrafluoro-2-(heptafluoropropoxy) propanoic acid (151%), perfluoro-3-methoxypropanoic acid (157%), perfluorohexanoic acid (PFHxA) (157%), and perfluoropentanoic acid (PFPeA) (151%). The associated results are non-detect. No qualification is necessary.

Pesticides by SW-846 Method 8081B

L2314346

The sample PH1_SB20_10-12 exhibited a percent recovery above the UCL for the surrogate tetrachloro-m-xylene (1C) (3590%). The associated results are non-detect. No qualification is necessary.

L2313767

The sample PH1_SB23_4-6 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (2C) (349%). No associated results are reported from the corresponding column. No qualification is necessary.

The sample PH1_SB23_14-16 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (1C) (1%). No associated results are reported from the corresponding column. No qualification is necessary.

The sample PH1_SODUP01_031623 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (2C) (157%). No associated results are reported from the corresponding column. No qualification is necessary.

The sample PH1_SB21_6-8 exhibited a percent recovery above the UCL for the surrogate decachlorobiphenyl (2C) (402%). No associated results are reported from the corresponding column. No qualification is necessary.

Metals by SW-846 Method 6010D/7470A

L2313526

The MB for batch WG1755368 exhibited a detection of iron (4.28 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2314579

The MB for batch WG1757560 exhibited a detection of sodium (1.92 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS/MSD performed on sample PH1_SS01 exhibited percent recoveries above the UCL for aluminum (1130%, 1040%), calcium (354%, 174%), iron (1940%, 1850%), and magnesium (212%, 14%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

L2317233

The MB for batch WG1762513 exhibited detections of chromium (0.733 mg/kg), iron (2.87 mg/kg), manganese (0.066 mg/kg), nickel (0.290 mg/kg), and zinc (0.150 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

L2412985

The MB for batch WG1896356 exhibited detections of iron (1.57 mg/kg), potassium (13.7 mg/kg), sodium (7.67 mg/kg), and thallium (0.136 mg/kg). The associated results are >10X the contamination or non-detect. No qualification is necessary.

FIELD DUPLICATES:

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 ±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 pair was compared to the precision criteria:

- PH1_SODUP01_031623 and PH1_SB23_0-2

The field duplicate and parent sample (PH1_SODUP01_031623 and PH1_SB23_0-2) exhibited RPDs above the control limit for calcium (58.4%), copper (72%), lead (75.2%), benzo(b)fluoranthene (88.3%), fluoranthene (81.1%), phenanthrene (100%), and pyrene (78.5%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (PH1_SODUP01_031623 and PH1_SB23_0-2) exhibited absolute differences above the RL for benzo(a)anthracene (600 ug/kg), benzo(a)pyrene (700 ug/kg), benzo(g,h,i)perylene (430 ug/kg), chrysene (700 ug/kg), and indeno(1,2,3-cd)pyrene (390 ug/kg). The associated results are qualified as J because of 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. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Andrew Nesci, Langan Senior Staff Scientist

From: Joe Conboy, Langan Senior Staff Chemist

Date: April 30, 2024

Re: Data Usability Summary Report
For 691 Lenox Avenue (One 45) - Phase 1
May 2023 and March 2024 Groundwater Samples
Langan Project No.: 170635402

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in May 2023 and March 2024 by Langan Engineering and Environmental Services at 691 Lenox Avenue (One 45) - Phase 1. 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, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260D
- SVOCs by SW-846 Method 8270E/8270E-SIM
- PFAS by USEPA Method 1633
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Method 6020B/7470A
- Cyanide by SW-846 Method 9012B
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium by Calculated Method Calculated

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation

- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. 4 SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. 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; however, the reported reporting limit 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 considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified 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. The section below describes the minor deficiencies that were identified.

SVOCs by SW-846 Method 8270E/8270E-SIM

L2324970

The FB (PH1_GWFB03_050523) exhibited a detection of benzoic acid (7.8 ug/l). The associated results in samples PH1_MW21_050523 and PH1_MW22_050523 are qualified as U at the reporting limit because of potential blank contamination.

The FB (PH1_GWFB03_050523) exhibited a detection of 2-methylnaphthalene (SIM) (0.07 ug/l). The associated detected results in samples PH1_MW21_050523 and PH1_MW22_050523 are qualified as U at the reporting limit because of potential blank contamination.

PFAS by USEPA Method 1633

L2324262

The sample PH1_MW19_050323 exhibited a percent recovery above the UCL for the isotope dilution standard 1H,1H,2H,2H-Perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (170%). The associated results are qualified as UJ because of potential high bias.

The sample PH1_GWDUP01_050323 exhibited a percent recovery above the UCL for the isotope dilution standard 1H,1H,2H,2H-Perfluoro[1,2-13C2]hexanesulfonic acid (m2-4:2fts) (175%). The associated results are qualified as UJ because of potential high bias.

L2414266

The sample PH1_MW26_031524 exhibited a percent recovery above the UCL for the isotope dilution standard 1H,1H,2H,2H-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (201%). The associated results are qualified as UJ because of potential high bias.

The ion ratio observed in sample PH1_MW26_031524 exhibited poor responses for perfluorooctanesulfonamide (FOSA). The associated results are qualified as J because of potential indeterminate bias.

L2324970

The sample PH1_MW21_050523 exhibited percent recoveries above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (178%) and 1h,1h,2h,2h-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (156%). The associated results are qualified as UJ because of potential high bias.

L2324641

The sample PH1_MW04_050423 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (209%). The associated results are qualified as UJ because of potential high bias.

The sample PH1_MW16_050423 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (207%). The associated results are qualified as UJ because of potential high bias.

The sample PH1_MW25_050423 exhibited a percent recovery above the UCL for the isotope dilution standard 1h,1h,2h,2h-perfluoro[1,2-13C2]hexanesulfonic acid (M2-4:2FTS) (180%). The associated results are qualified as UJ because of potential high bias.

Herbicides by SW-846 Method 8151A

L2324262

The LCS/LCSD for batch WG1775347 exhibited a RPD above the control limit for silvex (2,4,5-Tp) (1C) (39%). The associated results in samples PH1_MW19_050323 and PH1_GWDUP01_050323 are qualified as UJ because of potential indeterminate bias.

Pesticides by SW-846 Method 8081B

L2324262

The LCS/LCSD for batch WG1775971 exhibited a RPD above the control limit for 4,4'-DDT (1C) (39%). The associated results in samples PH1_MW19_050323 and PH1_GWDUP01_050321 are qualified as UJ because of potential indeterminate bias.

L2414266

The LCS/LCSD for batch WG1899389 exhibited RPDs above the control limit for 4,4'-DDD (23%), 4,4'-DDE (21%), 4,4'-DDT (21%), alpha BHC (alpha hexachlorocyclohexane) (21%), alpha endosulfan (22%), beta BHC (beta hexachlorocyclohexane) (21%), beta endosulfan (21%), delta BHC (delta hexachlorocyclohexane) (22%), dieldrin (23%), endrin (21%), endrin ketone (21%), gamma BHC (lindane) (22%), heptachlor (21%), and heptachlor epoxide (21%). The associated results in sample PH1_MW26_031524 are qualified as UJ because of potential indeterminate bias.

Metals by SW-846 Method 6020B/7470A

L2414266

The MB for batch WG1898669 exhibited a detection of total chromium (0.00097 mg/l). The associated results in sample PH1_MW26_031524 are qualified as J because of potential blank contamination.

L2324970

The FB (PH1_GWFB03_050523) exhibited a detection of dissolved chromium (0.00021 mg/l). The associated detected results in samples PH1_MW21_050523 and PH1_MW22_050523 are qualified as U at the reporting limit because of potential blank contamination.

The MS/MSD performed on sample PH1_MW22_050523 exhibited percent recoveries above the UCL for dissolved magnesium (139%, 151%) and total magnesium (139%, 139%). The associated results in sample PH1_MW22_050523 are qualified as J because of potential high bias.

Cyanide by SW-846 Method 9012B

L2324262

The MB for batch WG1775958 exhibited a detection of cyanide (0.003 mg/l). The associated results in samples PH1_MW19_050323 and PH1_GWDUP01_050323 are qualified as U at the reporting limit because of potential blank contamination.

L2324641

The MB for batch WG1775958 exhibited a detection of cyanide (0.003 mg/l). The associated results in samples PH1_MW04_050423, PH1_MW16_050423, and PH1_MW25_050423 are qualified as U at the reporting limit because of potential blank contamination.

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 SW-846 Method 8260D

L2324262

The LCS for batch WG1775229 exhibited a percent recovery above the UCL for vinyl acetate (140%). The associated results are non-detect. No qualification is necessary.

L2324970

The MS and/or MSD performed on sample PH1_MW22_050523 exhibited percent recoveries and/or RPDs outside of control limits for one or more VOC analytes. Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

SVOCs by SW-846 Method 8270E/8270E-SIM

L2324262

The LCS/LCSD for batch WG1775762 exhibited a percent recovery above the UCL for 4-nitrophenol (85%, 114%). The associated results are non-detect. No qualification is necessary.

The sample PH1_MW19_050323 exhibited a percent recovery below the LCL for the surrogate p-terphenyl-d14 (40%). Only one surrogate from a single fraction was outside of the recovery control limits. No qualification is necessary.

L2414266

The MB for batch WG1899156 exhibited a detection of naphthalene (0.19 ug/l). The associated results are non-detect. No qualification is necessary.

L2324970

The FB (PH1_GWFB03_050523) exhibited a detection of naphthalene (SIM) (0.33 ug/l). The associated results are non-detect. No qualification is necessary.

The LCS/LCSD for batch WG1777371 exhibited a percent recovery above the UCL for 4-nitrophenol (139%, 127%). The associated results are non-detect. No qualification is necessary.

The MS and/or MSD performed on sample PH1_MW22_050523 exhibited percent recoveries and/or RPDs outside of control limits for one or more SVOC analytes. Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

L2324641

The LCS/LCSD for batch WG1777371 exhibited a percent recovery above the UCL for 4-nitrophenol (129%, 127%). The associated results are non-detect. No qualification is necessary.

PFAS by USEPA Method 1633

L2324970

The MS and/or MSD performed on sample PH1_MW22_050523 exhibited percent recoveries and/or RPDs outside of control limits for one or more PFAS analytes. Organic results are not qualified on the basis of MS/MSD recoveries or RPDs alone. No qualification is necessary.

Herbicides by SW-846 Method 8151A

L2324262

The LCS for batch WG1775347 exhibited a percent recovery above the UCL for silvex (2,4,5-Tp) (1C) (181%). The associated results are non-detect. No qualification is necessary.

Pesticides by SW-846 Method 8081B

L2414266

The LCS for batch WG1899389 exhibited a percent recovery above the UCL for methoxychlor (151%). The associated results are non-detect. No qualification is necessary.

Metals by SW-846 Method 6020B/7470A

L2324970

The FB (PH1_GWFB03_050523) exhibited a detection of dissolved barium (0.00058 mg/l). The associated results are >10X the contamination. No qualification is necessary.

The MS and/or MSD performed on sample PH1_MW22_050523 exhibited percent recoveries below the LCL for dissolved sodium (50%), total calcium (60%, 10%), and total sodium (30%, 10%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

Hexavalent Chromium by SW-846 Method 7196A

L2324970

The FB (PH1_GWFB03_050523) exhibited a detection of hexavalent chromium (0.005 mg/l). The associated results are non-detect. No qualification is necessary.

FIELD DUPLICATES:

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 ±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 pair was compared to the precision criteria:

- PH1_GWDUP01_050323 and PH1_MW19_050323

The field duplicate and parent sample (PH1_GWDUP01_050323 and PH1_MW19_050323) exhibited absolute differences above the RL for aluminum (0.0101 mg/l) and perfluorobutanesulfonic acid (PFBS) (4.32 ng/l). The associated results are qualified as J because of 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. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:



Joe Conboy
Senior Staff Chemist

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Greg Wyka, Langan Senior Project Geologist

From: Joe Conboy, Langan Senior Staff Chemist

Date: April 24, 2024

Re: Data Usability Summary Report
For 691 Lenox Avenue – Phase 1
Remedial Investigation Report
March 2024 Soil Vapor and Ambient Air Samples
Langan Project No.: 170635402

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in March 2024 by Langan Engineering and Environmental Services at the 691 Lenox Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 & 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

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 the following guidelines, where applicable:

- 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),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

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.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation;

blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. One SDG underwent Tier 1 validation review.

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 because certain criteria were not met when generating the data. 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; however, the reported reporting limit 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 considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

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:

24C0617

The LCS for batch BC41070 exhibited percent recoveries below the LCL for acrylonitrile (66.9%), and chloromethane (61.7%), vinyl chloride (62.7%). The associated results in samples PH1_AA01_030824, PH1_IA22_030824, PH1_IA25_030824, and PH1_SV26_030824 are qualified as J or UJ because of potential low bias.

The LCS for batch BC41070 exhibited a percent recovery above the UCL for isopropanol (132%). The associated detected results in samples PH1_AA01_030824, PH1_IA22_030824, PH1_IA25_030824, and PH1_SV26_030824 are qualified as J because of potential high bias.

The LCS for batch BC41280 exhibited percent recoveries below the LCL for acrylonitrile (66%), and chloromethane (53.9%), vinyl chloride (66.2%). The associated results in samples PH1_SV21_030824, PH1_SV22_030824, and PH1_SV25_030824 are qualified as J or UJ because of potential low bias.

The LCS for batch BC41280 exhibited a percent recovery above the UCL for isopropanol (132%). The associated detected results in samples PH1_SV21_030824, PH1_SV22_030824, and PH1_SV25_030824 are qualified as J because of potential high bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies that were identified.

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. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist

APPENDIX J

INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTATION

DALE TRANSFER CORP.
Long Island's Premier Industrial Waste Facility

WASTE ACCEPTANCE VERIFICATION

November 13, 2023

AARCO Environmental
50 Gear Avenue
Lindenhurst, NY 11757

Email: Stevep@aarcocorp.com

Attn: Steven Plofker
Re: Soil Cuttings
691 Lenox Avenue, New York, NY 10030

To Whom It May Concern,

Based on the waste information, analysis, and the signed profile that you provided, the material being removed from the above listed address is approved for disposal at Dale Transfer Corporation, located at 129 Dale Street, West Babylon NY 11704. The approval code is: 2023-908.

Please feel free to contact us if you have any questions at (631) 393-2882.

Thank you,

Cassandra M. Dragone

Cassandra Dragone
Waste Management Administrator
(631) 393-2882

DALE TRANSFER CORP.
Long Island's Premier Industrial Waste Facility

WASTE ACCEPTANCE VERIFICATION

November 13, 2023

AARCO Environmental
50 Gear Avenue
Lindenhurst, NY 11757

Email: Stevep@aarcocorp.com

Attn: Steven Plofker
Re: Purged Groundwater
691 Lenox Avenue, New York, NY 10030

To Whom It May Concern,

Based on the waste information, analysis, and the signed profile that you provided, the material being removed from the above listed address is approved for disposal at Dale Transfer Corporation, located at 129 Dale Street, West Babylon NY 11704. The approval code is: 2023-907.

Please feel free to contact us if you have any questions at (631) 393-2882.

Thank you,

Cassandra M. Dragone

Cassandra Dragone
Waste Management Administrator
(631) 393-2882

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. . . . . | Manifest Doc. No. 68281 | 2. Page 1 of 01 | NHWM 220236 I

GENERATOR

3. Generator's Name and Mailing Address: ONE 45 LENOX LLC, 55 BROADWAY, NEW YORK, NY 10002 — 691 LENOX AVE, NEW YORK, NY 10030

4. Generator's Phone ( )

5. Transporter 1 Company Name: AARCO ENVIRONMENTAL SERVICES CORP. | 6. US EPA ID Number: N.Y.R.0.0.0.1.0.7.3.2.6 | A. Transporter's Phone: 631-586-5900

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address: DALE TRANSFER CORP., 129 DALE STREET, WEST BABYLON, NY 11704 | 10. US EPA ID Number: N/A | C. Facility's Phone: 631-393-2882

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS WASTE SOLID	1	DM	700	P
b. NON-HAZARDOUS WASTE LIQUID	~~1~~	DM	55 ~~110~~	G
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900
JOB#220236 PHASE I
APPROVAL #2023-908
#2023-907
TRUCK # B636

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jack Frey | Signature | Month 11 Day 15 Year 23

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: MUHAMMAD AWAN | Signature | Month 11 Day 15 Year 23

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Armando Sanchez | Signature | Month 11 Day 15 Year 23

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	631-586-5900	NHWM222203

GENERATOR

5. Generator's Name and Mailing Address
ONE45 LENOX LLC
55 BROADWAY
NEW YORK, NY 10002
Generator's Phone:

Generator's Site Address (if different than mailing address)
691 LENOX AVENUE
NEW YORK, NY 10030

6. Transporter 1 Company Name: AARCO ENVIRONMENTAL SERVICES
U.S. EPA ID Number: NYR000107326

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
DALE TRANSFER CORPORATION
129 DALE STREET, WEST BABYLON NY 11704
631-393-2882
Facility's Phone:
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED LIQUIDS (GROUNDWATER)	1	DM	500	P	
2.	~~NON-REGULATED SOLIDS (SOIL)~~		DM		P	
3.						
4.						

13. Special Handling Instructions and Additional Information
1. APPROVAL # 2023-907 (1 x55)
2. APPROVAL # 2023-908 (x)
AARCO WO# 222203 TRUCK# B507

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Olivia O'Donnell of Langan on behalf of One45 Lenox LLC
Signature
Month 05 Day 21 Year 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Elijah A Ortiz
Signature
Month 05 Day 21 Year 24

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Armando Sanchez
Signature
Month 5 Day 21 Year 24

DESIGNATED FACILITY TO GENERATOR

Printed in USA by GC Labels
1-800-997-6966

Reorder Part# MANIFEST-C6NHW
913-897-6966

APPENDIX K

LABORATORY ANALYTICAL REPORTS

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Greg Wyka

Report Date: 04/11/2024
Client Project ID: 170635402
York Project (SDG) No.: 24C0617

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/11/2024
Client Project ID: 170635402
York Project (SDG) No.: 24C0617

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Greg Wyka

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 11, 2024 and listed below. The project was identified as your project: **170635402**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24C0617-01	PH1_SV21_030824	Soil Vapor	03/08/2024	03/11/2024
24C0617-02	PH1_SV26_030824	Soil Vapor	03/08/2024	03/11/2024
24C0617-03	PH1_SV25_030824	Soil Vapor	03/08/2024	03/11/2024
24C0617-04	PH1_IA25_030824	Indoor Ambient Air	03/08/2024	03/11/2024
24C0617-05	PH1_SV22_030824	Soil Vapor	03/08/2024	03/11/2024
24C0617-06	PH1_IA22_030824	Indoor Ambient Air	03/08/2024	03/11/2024
24C0617-07	PH1_AA01_030824	Outdoor Ambient Ai	03/08/2024	03/11/2024

General Notes for York Project (SDG) No.: 24C0617

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 04/11/2024

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: PH1_SV21_030824 **York Sample ID:** 24C0617-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:28 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.5	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.77	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.19	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.94	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.5	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.2	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.77	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.88	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.94	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.2	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.88	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.2	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.4	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**0.85**		ug/m³	0.56	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV21_030824 **York Sample ID:** 24C0617-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:28 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.6	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	3.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.78	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**6.3**		ug/m³	0.91	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS-L	ug/m³	0.42	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**0.73**		ug/m³	0.61	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.99	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	2.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.74	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.60	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.60**		ug/m³	0.30	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.88	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.50	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	0.93	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.4**	TO-LCS-L	ug/m³	0.40	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.19	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.87	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.66	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**2.8**		ug/m³	0.95	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	1.4	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV21_030824 **York Sample ID:** 24C0617-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:28 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	0.83	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**19**	TO-LCS -H	ug/m³	0.94	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.78	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.69	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	2.0	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.78	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	0.67	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	o-Xylene	ND		ug/m³	0.83	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.7	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.94	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.33	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.81	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	Tetrachloroethylene	ND		ug/m³	1.3	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.1	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			
108-88-3	**Toluene**	**2.2**		ug/m³	0.72	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.76	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.87	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.26	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	1.1	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.67	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV21_030824 **York Sample ID:** 24C0617-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:28 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	0.84	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND	TO-LCS-L	ug/m³	0.24	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1330-20-7	* Xylenes, Total	ND		ug/m³	2.5	1.913	EPA TO-15	03/14/2024 00:00	03/18/2024 16:09	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV26_030824 **York Sample ID:** 24C0617-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:58 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	10	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	10	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.4	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.8	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	14	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	9.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.4	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	12	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**7.1**		ug/m³	5.4	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	15	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV26_030824 **York Sample ID:** 24C0617-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:58 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	29	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-64-1	**Acetone**	**10**		ug/m³	8.7	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND	TO-LCS-L	ug/m³	4.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
71-43-2	**Benzene**	**5.9**		ug/m³	5.9	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m³	9.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m³	12	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND		ug/m³	19	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m³	7.1	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-15-0	**Carbon disulfide**	**46**		ug/m³	5.7	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.9	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m³	8.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m³	4.9	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-66-3	**Chloroform**	**17**		ug/m³	9.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-87-3	Chloromethane	ND	TO-LCS-L	ug/m³	3.8	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.8	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.3	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	6.3	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	16	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	9.1	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**8.0**		ug/m³	8.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: PH1_SV26_030824 **York Sample ID:** 24C0617-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:58 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	20	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	Isopropanol	ND		ug/m³	9.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	7.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.6	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	13	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	19	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NJDEP-NY037		
142-82-5	**n-Heptane**	**12**		ug/m³	7.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	6.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**8.0**		ug/m³	8.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**22**		ug/m³	16	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	9.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
115-07-1	*** Propylene**	**30**		ug/m³	3.2	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	7.8	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**4400**		ug/m³	12	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	11	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			
108-88-3	**Toluene**	**6.9**		ug/m³	6.9	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.3	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.3	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**16**		ug/m³	2.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**70**		ug/m³	10	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	6.5	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	8.0	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV26_030824 **York Sample ID:** 24C0617-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 11:58 am	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS -L	ug/m³	2.4	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1330-20-7	*** Xylenes, Total**	**30**		ug/m³	24	18.39	EPA TO-15	03/14/2024 09:00	03/14/2024 20:54	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV25_030824 **York Sample ID:** 24C0617-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.5	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.2	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.5	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.7	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.2	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.88	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.21	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.6	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.7	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.88	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.0	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.5	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.0	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.6	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**0.77**		ug/m³	0.64	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.8	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV25_030824 **York Sample ID:** 24C0617-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	3.4	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.89	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**3.9**		ug/m³	1.0	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS -L	ug/m³	0.47	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**1.0**		ug/m³	0.69	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.4	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	2.2	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.84	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.67	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.68**		ug/m³	0.34	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	1.0	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.57	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**2.1**	TO-LCS -L	ug/m³	0.45	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.21	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.98	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.74	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.8	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.5**		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	1.6	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.94	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV25_030824 **York Sample ID:** 24C0617-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**2.3**	TO-LCS-H	ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.89	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.78	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.5	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	2.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.89	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	0.76	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	o-Xylene	ND		ug/m³	0.94	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.9	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.1	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
115-07-1	* **Propylene**	**0.89**		ug/m³	0.37	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.92	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	Tetrachloroethylene	ND		ug/m³	1.5	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.3	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			
108-88-3	**Toluene**	**2.9**		ug/m³	0.82	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.86	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.98	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.29	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.8**		ug/m³	1.2	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.76	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.95	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV25_030824 **York Sample ID:** 24C0617-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS -L	ug/m³	0.28	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1330-20-7	* Xylenes, Total	ND		ug/m³	2.8	2.163	EPA TO-15	03/14/2024 00:00	03/18/2024 17:32	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_IA25_030824 **York Sample ID:** 24C0617-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.78	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.62	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.78	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.87	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.62	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.46	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.11	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.84	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**0.78**		ug/m³	0.55	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.87	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.68	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.46	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.52	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.79	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.56	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	0.75	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.68	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.52	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
106-46-7	**1,4-Dichlorobenzene**	**270**		ug/m³	0.68	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	0.81	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**1.1**		ug/m³	0.33	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	0.92	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_IA25_030824 **York Sample ID:** 24C0617-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.46	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**34**		ug/m³	0.54	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS-L	ug/m³	0.25	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**1.4**		ug/m³	0.36	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.58	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	0.76	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	1.2	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.44	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.35	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.50**		ug/m³	0.18	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.52	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.30	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**4.6**		ug/m³	0.55	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.6**	TO-LCS-L	ug/m³	0.23	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**0.13**		ug/m³	0.11	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.51	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	**Cyclohexane**	**0.39**		ug/m³	0.39	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	0.96	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.56	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	*** Ethyl acetate**	**1.5**		ug/m³	0.81	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.54**		ug/m³	0.49	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_IA25_030824 **York Sample ID:** 24C0617-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	Isopropanol	ND		ug/m³	0.56	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.46	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.41	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	**Methylene chloride**	**0.94**		ug/m³	0.78	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	1.2	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NJDEP-NY037		
142-82-5	**n-Heptane**	**0.93**		ug/m³	0.46	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	**n-Hexane**	**0.76**		ug/m³	0.40	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**0.64**		ug/m³	0.49	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**1.7**		ug/m³	0.98	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	*** p-Ethyltoluene**	**0.61**		ug/m³	0.56	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
115-07-1	*** Propylene**	**1.8**		ug/m³	0.19	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.48	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**79**		ug/m³	0.77	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.67	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			
108-88-3	**Toluene**	**3.1**		ug/m³	0.43	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.45	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.51	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.15	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.63	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.40	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.49	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_IA25_030824 **York Sample ID:** 24C0617-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 6:07 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS -L	ug/m³	0.14	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1330-20-7	*** Xylenes, Total**	**2.4**		ug/m³	1.5	1.129	EPA TO-15	03/14/2024 09:00	03/14/2024 22:21	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV22_030824 **York Sample ID:** 24C0617-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.6	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.83	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.20	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.5	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.6	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.83	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.94	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.94	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.5	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	2-Butanone	ND		ug/m³	0.60	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.7	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_SV22_030824 **York Sample ID:** 24C0617-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	3.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.84	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**1.7**		ug/m³	0.97	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS -L	ug/m³	0.44	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	Benzene	ND		ug/m³	0.65	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	1.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	2.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.79	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.63	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.32	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.94	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.54	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**1.7**		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	Chloromethane	ND	TO-LCS -L	ug/m³	0.42	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.20	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.93	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.70	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.7	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.1**		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	1.5	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.89	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV22_030824 **York Sample ID:** 24C0617-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	Isopropanol	ND		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.83	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.74	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	2.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.84	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	0.72	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	o-Xylene	ND		ug/m³	0.89	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.8	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.0	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.35	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.87	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**4.7**		ug/m³	1.4	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.2	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			
108-88-3	Toluene	ND		ug/m³	0.77	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.81	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.93	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.27	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.6**		ug/m³	1.1	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.72	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.89	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_SV22_030824 **York Sample ID:** 24C0617-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Soil Vapor	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS-L	ug/m³	0.26	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
1330-20-7	* Xylenes, Total	ND		ug/m³	2.7	2.039	EPA TO-15	03/14/2024 00:00	03/18/2024 18:14	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_IA22_030824 **York Sample ID:** 24C0617-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.099	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**0.64**		ug/m³	0.49	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	0.67	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
106-46-7	**1,4-Dichlorobenzene**	**0.60**		ug/m³	0.60	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**0.98**		ug/m³	0.30	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	0.82	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_IA22_030824 **York Sample ID:** 24C0617-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**7.0**		ug/m³	0.48	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS-L	ug/m³	0.22	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**1.5**		ug/m³	0.32	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.52	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	0.67	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	1.0	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.39	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.31	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.50**		ug/m³	0.16	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.46	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.26	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**0.54**		ug/m³	0.49	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.2**	TO-LCS-L	ug/m³	0.21	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**0.24**		ug/m³	0.099	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	**Cyclohexane**	**0.41**		ug/m³	0.34	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	0.85	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**2.6**		ug/m³	0.50	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	0.72	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.61**		ug/m³	0.44	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_IA22_030824 **York Sample ID:** 24C0617-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**2.6**	TO-LCS-H	ug/m³	0.49	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	**Methylene chloride**	**0.84**		ug/m³	0.70	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	1.1	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NJDEP-NY037		
142-82-5	**n-Heptane**	**0.90**		ug/m³	0.41	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	**n-Hexane**	**1.1**		ug/m³	0.35	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**0.74**		ug/m³	0.44	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**2.0**		ug/m³	0.87	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	*** p-Ethyltoluene**	**0.59**		ug/m³	0.49	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
115-07-1	*** Propylene**	**1.5**		ug/m³	0.17	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.43	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	Tetrachloroethylene	ND		ug/m³	0.68	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.59	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			
108-88-3	**Toluene**	**3.2**		ug/m³	0.38	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.13	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.56	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.35	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.44	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_IA22_030824 **York Sample ID:** 24C0617-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Indoor Ambient Air	March 8, 2024 7:09 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS-L	ug/m³	0.13	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
1330-20-7	*** Xylenes, Total**	**2.7**		ug/m³	1.3	1.002	EPA TO-15	03/14/2024 09:00	03/14/2024 23:47	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_AA01_030824 **York Sample ID:** 24C0617-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Outdoor Ambient Air	March 8, 2024 6:51 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.67	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.53	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.67	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.75	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.53	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.39	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.097	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.72	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**0.77**		ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.75	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.59	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.39	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.45	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.68	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	0.65	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.59	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.45	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.59	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	0.70	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**0.86**		ug/m³	0.29	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	0.80	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			

Sample Information

Client Sample ID: PH1_AA01_030824 **York Sample ID:** 24C0617-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Outdoor Ambient Air	March 8, 2024 6:51 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.5	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.40	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**6.1**		ug/m³	0.46	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND	TO-LCS -L	ug/m³	0.21	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**1.7**		ug/m³	0.31	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.50	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	0.65	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND		ug/m³	1.0	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.38	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	0.30	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.49**		ug/m³	0.15	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.45	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.26	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.2**	TO-LCS -L	ug/m³	0.20	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.097	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.44	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	**Cyclohexane**	**0.47**		ug/m³	0.34	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	0.83	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
141-78-6	* Ethyl acetate	ND		ug/m³	0.70	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.68**		ug/m³	0.42	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_AA01_030824 **York Sample ID:** 24C0617-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Outdoor Ambient Air	March 8, 2024 6:51 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.0	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**2.7**	TO-LCS-H	ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	**Methyl Methacrylate**	**0.44**		ug/m³	0.40	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.35	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	**Methylene chloride**	**1.1**		ug/m³	0.68	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
91-20-3	* Naphthalene	ND		ug/m³	1.0	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NJDEP-NY037		
142-82-5	**n-Heptane**	**0.92**		ug/m³	0.40	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	**n-Hexane**	**1.2**		ug/m³	0.34	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**0.89**		ug/m³	0.42	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**2.3**		ug/m³	0.85	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	*** p-Ethyltoluene**	**0.72**		ug/m³	0.48	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
115-07-1	*** Propylene**	**1.6**		ug/m³	0.17	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.41	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**0.73**		ug/m³	0.66	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.57	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			
108-88-3	**Toluene**	**3.7**		ug/m³	0.37	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.39	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.44	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	Trichloroethylene	ND		ug/m³	0.13	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.55	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.34	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.43	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: PH1_AA01_030824 **York Sample ID:** 24C0617-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24C0617	170635402	Outdoor Ambient Air	March 8, 2024 6:51 pm	03/11/2024

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	TO-LCS -L	ug/m³	0.12	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
1330-20-7	*** Xylenes, Total**	**3.2**		ug/m³	1.3	0.974	EPA TO-15	03/14/2024 09:00	03/15/2024 00:31	VH
							Certifications:			

Analytical Batch Summary

Batch ID: BC41070 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24C0617-02	PH1_SV26_030824	03/14/24
24C0617-04	PH1_IA25_030824	03/14/24
24C0617-06	PH1_IA22_030824	03/14/24
24C0617-07	PH1_AA01_030824	03/14/24
BC41070-BLK1	Blank	03/14/24
BC41070-BS1	LCS	03/14/24
BC41070-DUP1	Duplicate	03/14/24

Batch ID: BC41280 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
24C0617-01	PH1_SV21_030824	03/14/24
24C0617-03	PH1_SV25_030824	03/14/24
24C0617-05	PH1_SV22_030824	03/14/24
BC41280-BLK1	Blank	03/18/24
BC41280-BS1	LCS	03/18/24
BC41280-DUP1	Duplicate	03/18/24

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41070 - EPA TO15 PREP											
Blank (BC41070-BLK1) Blank									Prepared & Analyzed: 03/14/2024		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	1.0	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41070 - EPA TO15 PREP											
Blank (BC41070-BLK1) Blank								Prepared & Analyzed: 03/14/2024			
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
Xylenes, Total	ND	1.3	"								
LCS (BC41070-BS1) LCS								Prepared & Analyzed: 03/14/2024			
1,1,1,2-Tetrachloroethane	8.00		ppbv	10.0		80.0	70-130				
1,1,1-Trichloroethane	7.94		"	10.0		79.4	70-130				
1,1,2,2-Tetrachloroethane	8.06		"	10.0		80.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.47		"	10.0		84.7	70-130				
1,1,2-Trichloroethane	7.93		"	10.0		79.3	70-130				
1,1-Dichloroethane	8.65		"	10.0		86.5	70-130				
1,1-Dichloroethylene	8.35		"	10.0		83.5	70-130				
1,2,4-Trichlorobenzene	8.29		"	10.0		82.9	70-130				
1,2,4-Trimethylbenzene	8.12		"	10.0		81.2	70-130				
1,2-Dibromoethane	7.75		"	10.0		77.5	70-130				
1,2-Dichlorobenzene	8.21		"	10.0		82.1	70-130				
1,2-Dichloroethane	7.90		"	10.0		79.0	70-130				
1,2-Dichloropropane	7.87		"	10.0		78.7	70-130				
1,2-Dichlorotetrafluoroethane	7.91		"	10.0		79.1	70-130				
1,3,5-Trimethylbenzene	7.88		"	10.0		78.8	70-130				
1,3-Butadiene	7.55		"	10.0		75.5	70-130				
1,3-Dichlorobenzene	8.05		"	10.0		80.5	70-130				
1,3-Dichloropropane	7.95		"	10.0		79.5	70-130				
1,4-Dichlorobenzene	7.98		"	10.0		79.8	70-130				
1,4-Dioxane	8.51		"	10.0		85.1	70-130				
2-Butanone	7.42		"	10.0		74.2	70-130				
2-Hexanone	7.87		"	10.0		78.7	70-130				
3-Chloropropene	7.58		"	10.0		75.8	70-130				
4-Methyl-2-pentanone	7.71		"	10.0		77.1	70-130				
Acetone	7.99		"	10.0		79.9	70-130				
Acrylonitrile	6.69		"	10.0		66.9	70-130	Low Bias			
Benzene	8.37		"	10.0		83.7	70-130				
Benzyl chloride	8.41		"	10.0		84.1	70-130				
Bromodichloromethane	7.72		"	10.0		77.2	70-130				
Bromoform	8.66		"	10.0		86.6	70-130				
Bromomethane	8.22		"	10.0		82.2	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41070 - EPA TO15 PREP											
LCS (BC41070-BS1) LCS								Prepared & Analyzed: 03/14/2024			
Carbon disulfide	8.90		ppbv	10.0		89.0	70-130				
Carbon tetrachloride	8.29		"	10.0		82.9	70-130				
Chlorobenzene	8.02		"	10.0		80.2	70-130				
Chloroethane	8.34		"	10.0		83.4	70-130				
Chloroform	8.30		"	10.0		83.0	70-130				
Chloromethane	6.17		"	10.0		61.7	70-130	Low Bias			
cis-1,2-Dichloroethylene	8.31		"	10.0		83.1	70-130				
cis-1,3-Dichloropropylene	7.66		"	10.0		76.6	70-130				
Cyclohexane	8.40		"	10.0		84.0	70-130				
Dibromochloromethane	8.16		"	10.0		81.6	70-130				
Dichlorodifluoromethane	8.21		"	10.0		82.1	70-130				
Ethyl acetate	7.97		"	10.0		79.7	70-130				
Ethyl Benzene	7.91		"	10.0		79.1	70-130				
Hexachlorobutadiene	8.64		"	10.0		86.4	70-130				
Isopropanol	13.2		"	10.0		132	70-130	High Bias			
Methyl Methacrylate	8.25		"	10.0		82.5	70-130				
Methyl tert-butyl ether (MTBE)	8.35		"	10.0		83.5	70-130				
Methylene chloride	7.99		"	10.0		79.9	70-130				
Naphthalene	7.70		"	10.0		77.0	70-130				
n-Heptane	8.05		"	10.0		80.5	70-130				
n-Hexane	8.32		"	10.0		83.2	70-130				
o-Xylene	8.06		"	10.0		80.6	70-130				
p- & m- Xylenes	16.3		"	20.0		81.6	70-130				
p-Ethyltoluene	8.16		"	10.0		81.6	70-130				
Propylene	7.77		"	10.0		77.7	70-130				
Styrene	8.19		"	10.0		81.9	70-130				
Tetrachloroethylene	7.98		"	10.0		79.8	70-130				
Tetrahydrofuran	7.84		"	10.0		78.4	70-130				
Toluene	7.71		"	10.0		77.1	70-130				
trans-1,2-Dichloroethylene	8.47		"	10.0		84.7	70-130				
trans-1,3-Dichloropropylene	7.48		"	10.0		74.8	70-130				
Trichloroethylene	7.57		"	10.0		75.7	70-130				
Trichlorofluoromethane (Freon 11)	8.10		"	10.0		81.0	70-130				
Vinyl acetate	8.35		"	10.0		83.5	70-130				
Vinyl bromide	8.20		"	10.0		82.0	70-130				
Vinyl Chloride	6.27		"	10.0		62.7	70-130	Low Bias			
Xylenes, Total	106	1.3	ug/m³								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41070 - EPA TO15 PREP											
Duplicate (BC41070-DUP1) Duplicate	*Source sample: 24C0617-02 (PH1_SV26_030824)								Prepared: 03/14/2024 Analyzed: 03/18/2024		
1,1,1,2-Tetrachloroethane	ND	13	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	10	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	13	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	14	"		ND					25	
1,1,2-Trichloroethane	ND	10	"		ND					25	
1,1-Dichloroethane	ND	7.4	"		ND					25	
1,1-Dichloroethylene	ND	1.8	"		ND					25	
1,2,4-Trichlorobenzene	ND	14	"		ND					25	
1,2,4-Trimethylbenzene	ND	9.0	"		ND					25	
1,2-Dibromoethane	ND	14	"		ND					25	
1,2-Dichlorobenzene	ND	11	"		ND					25	
1,2-Dichloroethane	ND	7.4	"		ND					25	
1,2-Dichloropropane	ND	8.5	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	13	"		ND					25	
1,3,5-Trimethylbenzene	ND	9.0	"		ND					25	
1,3-Butadiene	ND	12	"		ND					25	
1,3-Dichlorobenzene	ND	11	"		ND					25	
1,3-Dichloropropane	ND	8.5	"		ND					25	
1,4-Dichlorobenzene	ND	11	"		ND					25	
1,4-Dioxane	ND	13	"		ND					25	
2-Butanone	7.1	5.4	"		7.1				0.00	25	
2-Hexanone	ND	15	"		ND					25	
3-Chloropropene	ND	29	"		ND					25	
4-Methyl-2-pentanone	ND	7.5	"		ND					25	
Acetone	11	8.7	"		10				12.2	25	
Acrylonitrile	ND	4.0	"		ND					25	
Benzene	ND	5.9	"		ND					25	
Benzyl chloride	ND	9.5	"		ND					25	
Bromodichloromethane	ND	12	"		ND					25	
Bromoform	ND	19	"		ND					25	
Bromomethane	ND	7.1	"		ND					25	
Carbon disulfide	45	5.7	"		46				1.26	25	
Carbon tetrachloride	ND	2.9	"		ND					25	
Chlorobenzene	ND	8.5	"		ND					25	
Chloroethane	ND	4.9	"		ND					25	
Chloroform	17	9.0	"		17				0.00	25	
Chloromethane	ND	3.8	"		ND					25	
cis-1,2-Dichloroethylene	ND	1.8	"		ND					25	
cis-1,3-Dichloropropylene	ND	8.3	"		ND					25	
Cyclohexane	ND	6.3	"		ND					25	
Dibromochloromethane	ND	16	"		ND					25	
Dichlorodifluoromethane	ND	9.1	"		ND					25	
Ethyl acetate	ND	13	"		ND					25	
Ethyl Benzene	ND	8.0	"		ND					25	
Hexachlorobutadiene	ND	20	"		ND					25	
Isopropanol	ND	9.0	"		ND					25	
Methyl Methacrylate	ND	7.5	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	6.6	"		ND					25	
Methylene chloride	ND	13	"		ND					25	
Naphthalene	ND	19	"		ND					25	
n-Heptane	11	7.5	"		12				6.45	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41070 - EPA TO15 PREP											
Duplicate (BC41070-DUP1) Duplicate	*Source sample: 24C0617-02 (PH1_SV26_030824)								Prepared: 03/14/2024 Analyzed: 03/18/2024		
n-Hexane	ND	6.5	ug/m³		ND					25	
o-Xylene	ND	8.0	"		ND					25	
p- & m- Xylenes	21	16	"		22				3.77	25	
p-Ethyltoluene	ND	9.0	"		ND					25	
Propylene	ND	3.2	"		30					25	
Styrene	ND	7.8	"		ND					25	
Tetrachloroethylene	4300	12	"		4400				2.88	25	
Tetrahydrofuran	ND	11	"		ND					25	
Toluene	ND	6.9	"		ND					25	
trans-1,2-Dichloroethylene	ND	7.3	"		ND					25	
trans-1,3-Dichloropropylene	ND	8.3	"		ND					25	
Trichloroethylene	16	2.5	"		16				0.00	25	
Trichlorofluoromethane (Freon 11)	72	10	"		70				2.90	25	
Vinyl acetate	ND	6.5	"		ND					25	
Vinyl bromide	ND	8.0	"		ND					25	
Vinyl Chloride	ND	2.4	"		ND					25	
Xylenes, Total	28	24	"		30				5.56	200	
Batch BC41280 - EPA TO15 PREP											
Blank (BC41280-BLK1) Blank									Prepared & Analyzed: 03/18/2024		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41280 - EPA TO15 PREP											
Blank (BC41280-BLK1) Blank									Prepared & Analyzed: 03/18/2024		
Bromomethane	ND	0.39	ug/m³								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	1.0	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
Xylenes, Total	ND	1.3	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BC41280 - EPA TO15 PREP

LCS (BC41280-BS1) LCS — Prepared & Analyzed: 03/18/2024

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	7.77		ppbv	10.0		77.7	70-130				
1,1,1-Trichloroethane	7.81		"	10.0		78.1	70-130				
1,1,2,2-Tetrachloroethane	7.76		"	10.0		77.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.49		"	10.0		84.9	70-130				
1,1,2-Trichloroethane	7.80		"	10.0		78.0	70-130				
1,1-Dichloroethane	8.49		"	10.0		84.9	70-130				
1,1-Dichloroethylene	8.33		"	10.0		83.3	70-130				
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	70-130				
1,2,4-Trimethylbenzene	7.85		"	10.0		78.5	70-130				
1,2-Dibromoethane	7.72		"	10.0		77.2	70-130				
1,2-Dichlorobenzene	8.04		"	10.0		80.4	70-130				
1,2-Dichloroethane	7.84		"	10.0		78.4	70-130				
1,2-Dichloropropane	7.79		"	10.0		77.9	70-130				
1,2-Dichlorotetrafluoroethane	7.75		"	10.0		77.5	70-130				
1,3,5-Trimethylbenzene	7.60		"	10.0		76.0	70-130				
1,3-Butadiene	7.51		"	10.0		75.1	70-130				
1,3-Dichlorobenzene	7.83		"	10.0		78.3	70-130				
1,3-Dichloropropane	7.86		"	10.0		78.6	70-130				
1,4-Dichlorobenzene	7.75		"	10.0		77.5	70-130				
1,4-Dioxane	8.39		"	10.0		83.9	70-130				
2-Butanone	7.39		"	10.0		73.9	70-130				
2-Hexanone	7.99		"	10.0		79.9	70-130				
3-Chloropropene	7.47		"	10.0		74.7	70-130				
4-Methyl-2-pentanone	7.74		"	10.0		77.4	70-130				
Acetone	8.03		"	10.0		80.3	70-130				
Acrylonitrile	6.60		"	10.0		66.0	70-130	Low Bias			
Benzene	8.21		"	10.0		82.1	70-130				
Benzyl chloride	8.15		"	10.0		81.5	70-130				
Bromodichloromethane	7.69		"	10.0		76.9	70-130				
Bromoform	8.45		"	10.0		84.5	70-130				
Bromomethane	8.20		"	10.0		82.0	70-130				
Carbon disulfide	8.79		"	10.0		87.9	70-130				
Carbon tetrachloride	8.24		"	10.0		82.4	70-130				
Chlorobenzene	7.72		"	10.0		77.2	70-130				
Chloroethane	8.29		"	10.0		82.9	70-130				
Chloroform	8.18		"	10.0		81.8	70-130				
Chloromethane	5.39		"	10.0		53.9	70-130	Low Bias			
cis-1,2-Dichloroethylene	8.21		"	10.0		82.1	70-130				
cis-1,3-Dichloropropylene	7.57		"	10.0		75.7	70-130				
Cyclohexane	8.18		"	10.0		81.8	70-130				
Dibromochloromethane	8.21		"	10.0		82.1	70-130				
Dichlorodifluoromethane	8.46		"	10.0		84.6	70-130				
Ethyl acetate	7.91		"	10.0		79.1	70-130				
Ethyl Benzene	7.61		"	10.0		76.1	70-130				
Hexachlorobutadiene	8.65		"	10.0		86.5	70-130				
Isopropanol	13.2		"	10.0		132	70-130	High Bias			
Methyl Methacrylate	8.14		"	10.0		81.4	70-130				
Methyl tert-butyl ether (MTBE)	8.28		"	10.0		82.8	70-130				
Methylene chloride	8.00		"	10.0		80.0	70-130				
Naphthalene	7.54		"	10.0		75.4	70-130				
n-Heptane	8.09		"	10.0		80.9	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41280 - EPA TO15 PREP											
LCS (BC41280-BS1) LCS								Prepared & Analyzed: 03/18/2024			
n-Hexane	8.24		ppbv	10.0		82.4	70-130				
o-Xylene	7.78		"	10.0		77.8	70-130				
p- & m- Xylenes	15.8		"	20.0		78.8	70-130				
p-Ethyltoluene	7.88		"	10.0		78.8	70-130				
Propylene	7.92		"	10.0		79.2	70-130				
Styrene	7.87		"	10.0		78.7	70-130				
Tetrachloroethylene	8.02		"	10.0		80.2	70-130				
Tetrahydrofuran	7.75		"	10.0		77.5	70-130				
Toluene	7.65		"	10.0		76.5	70-130				
trans-1,2-Dichloroethylene	8.31		"	10.0		83.1	70-130				
trans-1,3-Dichloropropylene	7.45		"	10.0		74.5	70-130				
Trichloroethylene	7.50		"	10.0		75.0	70-130				
Trichlorofluoromethane (Freon 11)	8.20		"	10.0		82.0	70-130				
Vinyl acetate	8.33		"	10.0		83.3	70-130				
Vinyl bromide	8.18		"	10.0		81.8	70-130				
Vinyl Chloride	6.62		"	10.0		66.2	70-130	Low Bias			
Xylenes, Total	102	1.3	ug/m³								
Duplicate (BC41280-DUP1) Duplicate	*Source sample: 24C0649-03 (Duplicate)							Prepared & Analyzed: 03/18/2024			
1,1,1,2-Tetrachloroethane	ND	2.0	ug/m³		ND					25	
1,1,1-Trichloroethane	6.4	1.6	"		6.4				0.00	25	
1,1,2,2-Tetrachloroethane	ND	2.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.2	"		ND					25	
1,1,2-Trichloroethane	ND	1.6	"		ND					25	
1,1-Dichloroethane	ND	1.2	"		ND					25	
1,1-Dichloroethylene	ND	0.28	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.1	"		ND					25	
1,2,4-Trimethylbenzene	2.8	1.4	"		2.8				0.00	25	
1,2-Dibromoethane	ND	2.2	"		ND					25	
1,2-Dichlorobenzene	ND	1.7	"		ND					25	
1,2-Dichloroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	1.3	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	2.0	"		ND					25	
1,3,5-Trimethylbenzene	ND	1.4	"		ND					25	
1,3-Butadiene	ND	1.9	"		ND					25	
1,3-Dichlorobenzene	ND	1.7	"		ND					25	
1,3-Dichloropropane	ND	1.3	"		ND					25	
1,4-Dichlorobenzene	ND	1.7	"		ND					25	
1,4-Dioxane	ND	2.1	"		ND					25	
2-Butanone	8.9	0.84	"		8.8				0.957	25	
2-Hexanone	ND	2.3	"		ND					25	
3-Chloropropene	ND	4.5	"		ND					25	
4-Methyl-2-pentanone	4.0	1.2	"		4.0				0.00	25	
Acetone	95	1.4	"		96				0.213	25	
Acrylonitrile	ND	0.62	"		ND					25	
Benzene	ND	0.91	"		ND					25	
Benzyl chloride	ND	1.5	"		ND					25	
Bromodichloromethane	ND	1.9	"		ND					25	
Bromoform	ND	3.0	"		ND					25	
Bromomethane	ND	1.1	"		ND					25	
Carbon disulfide	11	0.89	"		11				1.60	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC41280 - EPA TO15 PREP											
Duplicate (BC41280-DUP1) Duplicate	*Source sample: 24C0649-03 (Duplicate)								Prepared & Analyzed: 03/18/2024		
Carbon tetrachloride	ND	0.45	ug/m³		ND					25	
Chlorobenzene	ND	1.3	"		ND					25	
Chloroethane	ND	0.75	"		ND					25	
Chloroform	ND	1.4	"		ND					25	
Chloromethane	ND	0.59	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.28	"		6.5					25	
cis-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Cyclohexane	ND	0.98	"		ND					25	
Dibromochloromethane	ND	2.4	"		ND					25	
Dichlorodifluoromethane	3.5	1.4	"		3.5				0.00	25	
Ethyl acetate	21	2.1	"		21				0.491	25	
Ethyl Benzene	ND	1.2	"		ND					25	
Hexachlorobutadiene	ND	3.0	"		ND					25	
Isopropanol	13	1.4	"		13				1.59	25	
Methyl Methacrylate	ND	1.2	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	1.0	"		ND					25	
Methylene chloride	8.4	2.0	"		8.5				1.17	25	
Naphthalene	ND	3.0	"		ND					25	
n-Heptane	1.5	1.2	"		1.4				8.00	25	
n-Hexane	2.4	1.0	"		2.4				0.00	25	
o-Xylene	2.4	1.2	"		2.4				0.00	25	
p- & m- Xylenes	4.8	2.5	"		5.1				5.00	25	
p-Ethyltoluene	1.8	1.4	"		1.8				0.00	25	
Propylene	1.3	0.49	"		1.2				3.92	25	
Styrene	ND	1.2	"		ND					25	
Tetrachloroethylene	24	1.9	"		24				0.810	25	
Tetrahydrofuran	ND	1.7	"		ND					25	
Toluene	8.4	1.1	"		8.2				2.60	25	
trans-1,2-Dichloroethylene	ND	1.1	"		ND					25	
trans-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Trichloroethylene	ND	0.38	"		0.46					25	
Trichlorofluoromethane (Freon 11)	ND	1.6	"		ND					25	
Vinyl acetate	ND	1.0	"		ND					25	
Vinyl bromide	ND	1.3	"		ND					25	
Vinyl Chloride	ND	0.37	"		ND					25	
Xylenes, Total	7.2	3.7	"		7.4				3.39	200	

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.

TO-LCS-H The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised to include total xylene and naphthalene.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24C0017

YOUR Information	Report To:	Invoice To:
Company: Langan DPC	Company:	Company:
Address: 360 W 31st St, NY, NY, 10001	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Greg Wyka	Contact:	Contact:
E-mail: gwyka@langan.com	E-mail:	E-mail:

YOUR Project Number: 170635402

YOUR Project Name: 687 Lenox Ave - Phase I

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Camille Quick

Samples Collected by: (print your name above and sign below)

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other: NY Part 375		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch X Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
PH1-SV21-030824	030824 / 1128	AS	-30	-5	18300	20239	TO-15 VOCs
PH1-SV26-030824	/ 1158	AS	-30	-7.62	37382	19397	
PH1-SV25-030824	/ 1807	AS	-30.20	-8.42	10013	19387	
PH1-IA25-030824	/ 1807	AI	-30.47	-8.61	02412	16420	
PH1-SV22-030824	/ 1909	AS	-29.82	-7.51	37013	6869	
PH1-IA22-030824	/ 1909	AI	-30.21	-5.22	22080	19426	
PH1-AA01-030824	/ 1851	AA	-29.12	-5.01	23989	4764	

Comments: please cc datamanagement@langan.com & anesci@langan.com

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister	
Tedlar Bag	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Camille Quick / Langan	3/8/24 /	Marcel Shaw	3/11/24 9:43	Marcel Shaw	3/11/24
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				Yoralim	03/12/24 1000

ANALYTICAL REPORT

Lab Number:	L2313233
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	03/20/23

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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313233
Report Date: 03/20/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313233-01	PH1_SB27_1-2	SOIL	MANHATTAN, NY	03/14/23 14:10	03/14/23
L2313233-02	PH1_SB27_2-3	SOIL	MANHATTAN, NY	03/14/23 14:15	03/14/23
L2313233-03	PH1_SB27_3-4	SOIL	MANHATTAN, NY	03/14/23 14:20	03/14/23
L2313233-04	PH1_SB27_4-5	SOIL	MANHATTAN, NY	03/14/23 14:25	03/14/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 03/20/23

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-01 Date Collected: 03/14/23 14:10

Client ID: PH1_SB27_1-2 Date Received: 03/14/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/16/23 03:10

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.0806	J	mg/l	0.500	0.0270	1	03/19/23 09:31	03/19/23 13:05	EPA 3015	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-01 Date Collected: 03/14/23 14:10

Client ID: PH1_SB27_1-2 Date Received: 03/14/23

Sample Location: 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											
Lead, Total	373		mg/kg	2.15	0.115	1	03/17/23 08:45	03/17/23 20:35	EPA 3050B	1,6010D	GCL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-02 Date Collected: 03/14/23 14:15

Client ID: PH1_SB27_2-3 Date Received: 03/14/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/16/23 03:10

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.430	J	mg/l	0.500	0.0270	1	03/19/23 09:31	03/19/23 13:09	EPA 3015	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-02 Date Collected: 03/14/23 14:15

Client ID: PH1_SB27_2-3 Date Received: 03/14/23

Sample Location: 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											
Lead, Total	528		mg/kg	2.10	0.113	1	03/17/23 08:45	03/17/23 20:59	EPA 3050B	1,6010D	GCL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-03 Date Collected: 03/14/23 14:20

Client ID: PH1_SB27_3-4 Date Received: 03/14/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil TCLP/SPLP Ext. Date: 03/16/23 03:10

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.633		mg/l	0.500	0.0270	1	03/19/23 09:31	03/19/23 13:57	EPA 3015	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-03 Date Collected: 03/14/23 14:20

Client ID: PH1_SB27_3-4 Date Received: 03/14/23

Sample Location: 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											
Lead, Total	1090		mg/kg	2.15	0.115	1	03/17/23 08:45	03/17/23 21:04	EPA 3050B	1,6010D	GCL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-04 Date Collected: 03/14/23 14:25

Client ID: PH1_SB27_4-5 Date Received: 03/14/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/16/23 03:10

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	3.40		mg/l	0.500	0.0270	1	03/19/23 09:31	03/19/23 14:01	EPA 3015	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-04 Date Collected: 03/14/23 14:25

Client ID: PH1_SB27_4-5 Date Received: 03/14/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	576		mg/kg	2.13	0.114	1	03/17/23 08:45	03/17/23 21:09	EPA 3050B	1,6010D	GCL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313233

Project Number: 170635401 **Report Date:** 03/20/23

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): 01-04 Batch: WG1755357-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	03/17/23 08:45	03/17/23 18:49	1,6010D	GCL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-04 Batch: WG1756261-1										
Lead, TCLP	ND		mg/l	0.500	0.0270	1	03/19/23 09:31	03/19/23 12:55	1,6010D	AMW

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/16/23 03:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313233

Report Date: 03/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1755357-2 SRM Lot Number: D116-540								
Lead, Total	102		-		83-117	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1756261-2								
Lead, TCLP	94		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313233
Report Date: 03/20/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1755357-3 QC Sample: L2311714-01 Client ID: MS Sample												
Lead, Total	10.6	44	48.0	85		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1756261-3 QC Sample: L2313880-01 Client ID: MS Sample												
Lead, TCLP	0.0446J	5.3	5.09	96		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313233

Report Date: 03/20/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1755357-4 QC Sample: L2311714-01 Client ID: DUP Sample						
Lead, Total	10.6	9.02	mg/kg	16		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1756261-4 QC Sample: L2313880-01 Client ID: DUP Sample						
Lead, TCLP	0.0446J	0.0408J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313233
Report Date: 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-01
Client ID: PH1_SB27_1-2
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/14/23 14:10
Date Received: 03/14/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	03/15/23 11:23	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313233
Report Date: 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-02
Client ID: PH1_SB27_2-3
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/14/23 14:15
Date Received: 03/14/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	03/15/23 11:23	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313233
Report Date: 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-03
Client ID: PH1_SB27_3-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/14/23 14:20
Date Received: 03/14/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	03/15/23 11:23	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313233
Report Date: 03/20/23

SAMPLE RESULTS

Lab ID: L2313233-04
Client ID: PH1_SB27_4-5
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/14/23 14:25
Date Received: 03/14/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	03/15/23 11:23	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313233

Report Date: 03/20/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1754837-1 QC Sample: L2313189-01 Client ID: DUP Sample						
Solids, Total	94.6	95.0	%	0		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313233
Report Date: 03/20/23

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(*)
L2313233-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		PB-TI(180)
L2313233-01B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2313233-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L2313233-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2313233-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		PB-TI(180)
L2313233-02B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2313233-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L2313233-02X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2313233-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		PB-TI(180)
L2313233-03B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2313233-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L2313233-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L2313233-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		PB-TI(180)
L2313233-04B	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2313233-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L2313233-04X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313233
Project Number:	170635401	**Report Date:**	03/20/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 3/14/23

ALPHA Job #: L2313233

Client Information

Client: Langan
Address: 360 W31st Street 8th Floor, NY, NY
Phone: 212-479-5400
Fax:
Email: GWyka@Langan.com

Project Information

Project Name: 667 Lorat Avenue - Phase I
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyka
ALPHAQuote #: 21538

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

cc: ANesci@Langan.com & datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

Total TCLP Lead

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total TCLP Lead	Sample Specific Comments
13233-01	PH1-SB27-1-2	3/14/23	14:10	S	JF	X	
-02	PH1-SB27-2-3	↓	14:15	↓	↓	↓	
-03	PH1-SB27-3-4		14:20				
-04	PH1-SB27-4-5		14:25				

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Avery	3/14/23 1500	Tyler McGenniss	3/14 1500
Tyler McGenniss	3/14 1730	Paul Mazzella	3/14/23 1730
Paul Mazzella	3/14/23 2130		3/14/23 2130
	3/14/23 2330		3/14/23 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2313526
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	04/03/23

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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313526-01	PH1_SB22_6-8	SOIL	MANHATTAN, NY	03/15/23 14:00	03/15/23
L2313526-02	PH1_SB22_14-16	SOIL	MANHATTAN, NY	03/15/23 15:15	03/15/23
L2313526-03	PH1_FB01_031523	WATER	MANHATTAN, NY	03/15/23 14:10	03/15/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

Report Submission

April 03, 2023: This final report includes the results of all requested analyses.

March 22, 2023: 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.

Perfluorinated Alkyl Acids by 1633

WG1757819-2R/-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG1757819-4/-5 MS/MSD recoveries, performed on L2313526-01, are outside the acceptance criteria for 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9cl-pf3ons) (157%/155%) and 3-perfluoroheptyl propanoic acid (7:3ftca) (38%/35%).

WG1757819-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

L2313526-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1755368-1 Method Blank, associated with L2313526-01 and -02, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Cyanide, Total

The WG1757497-2 LCS recovery for cyanide, total (49%), associated with L2313526-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (54%).

Hexavalent Chromium

The WG1756138-2 LCS recovery for chromium, hexavalent (71%), associated with L2313526-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1756138-4 Insoluble MS recovery for chromium, hexavalent (29%), performed on L2313526-02, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (0%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 89%.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 04/03/23

ORGANICS

VOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 14:12
Analyst: AJK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	10	4.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.31	1
Chloroform	ND		ug/kg	3.2	0.30	1
Carbon tetrachloride	ND		ug/kg	2.1	0.48	1
1,2-Dichloropropane	ND		ug/kg	2.1	0.26	1
Dibromochloromethane	ND		ug/kg	2.1	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.56	1
Tetrachloroethene	ND		ug/kg	1.0	0.41	1
Chlorobenzene	ND		ug/kg	1.0	0.27	1
Trichlorofluoromethane	ND		ug/kg	8.4	1.5	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.54	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.58	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.33	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.33	1
1,1-Dichloropropene	ND		ug/kg	1.0	0.34	1
Bromoform	ND		ug/kg	8.4	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.35	1
Benzene	ND		ug/kg	1.0	0.35	1
Toluene	ND		ug/kg	2.1	1.1	1
Ethylbenzene	ND		ug/kg	2.1	0.30	1
Chloromethane	ND		ug/kg	8.4	2.0	1
Bromomethane	ND		ug/kg	4.2	1.2	1
Vinyl chloride	ND		ug/kg	2.1	0.71	1
Chloroethane	ND		ug/kg	4.2	0.95	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	3.2	0.29	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: 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	1.0	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.36	1
Methyl tert butyl ether	ND		ug/kg	4.2	0.42	1
p/m-Xylene	ND		ug/kg	4.2	1.2	1
o-Xylene	ND		ug/kg	2.1	0.61	1
Xylenes, Total	ND		ug/kg	2.1	0.61	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.37	1
1,2-Dichloroethene, Total	ND		ug/kg	2.1	0.29	1
Dibromomethane	ND		ug/kg	4.2	0.50	1
Styrene	ND		ug/kg	2.1	0.41	1
Dichlorodifluoromethane	ND		ug/kg	21	1.9	1
Acetone	12	J	ug/kg	21	10.	1
Carbon disulfide	ND		ug/kg	21	9.6	1
2-Butanone	ND		ug/kg	21	4.7	1
Vinyl acetate	ND		ug/kg	21	4.5	1
4-Methyl-2-pentanone	ND		ug/kg	21	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	0.27	1
2-Hexanone	ND		ug/kg	21	2.5	1
Bromochloromethane	ND		ug/kg	4.2	0.43	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.43	1
1,2-Dibromoethane	ND		ug/kg	2.1	0.59	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.35	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.28	1
Bromobenzene	ND		ug/kg	4.2	0.31	1
n-Butylbenzene	ND		ug/kg	2.1	0.35	1
sec-Butylbenzene	ND		ug/kg	2.1	0.31	1
tert-Butylbenzene	ND		ug/kg	4.2	0.25	1
o-Chlorotoluene	ND		ug/kg	4.2	0.40	1
p-Chlorotoluene	ND		ug/kg	4.2	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	2.1	1
Hexachlorobutadiene	ND		ug/kg	8.4	0.36	1
Isopropylbenzene	ND		ug/kg	2.1	0.23	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.23	1
Naphthalene	4.9	J	ug/kg	8.4	1.4	1
Acrylonitrile	ND		ug/kg	8.4	2.4	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: 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	2.1	0.36	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.68	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.57	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.41	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.70	1
1,4-Dioxane	ND		ug/kg	170	74.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.37	1
p-Ethyltoluene	ND		ug/kg	4.2	0.81	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.40	1
Ethyl ether	ND		ug/kg	4.2	0.72	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	3.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	116		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 13:46
Analyst: AJK
Percent Solids: 85%

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	0.17	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	0.25	1
Bromoform	ND		ug/kg	6.4	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.26	1
Benzene	0.69	J	ug/kg	0.80	0.26	1
Toluene	1.1	J	ug/kg	1.6	0.87	1
Ethylbenzene	0.91	J	ug/kg	1.6	0.22	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	0.72	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: 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	0.80	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	52		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	0.46	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	1.5	1
Acetone	61		ug/kg	16	7.7	1
Carbon disulfide	7.7	J	ug/kg	16	7.3	1
2-Butanone	12	J	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	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	6.4	0.27	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	26		ug/kg	6.4	1.0	1
Acrylonitrile	ND		ug/kg	6.4	1.8	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: 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	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	0.53	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	8.0	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1756958-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1756958-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1756958-5					
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	0.27	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	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	121		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1756958-3 WG1756958-4								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	81		80		70-130	1		30
Chloroform	88		86		70-130	2		30
Carbon tetrachloride	104		102		70-130	2		30
1,2-Dichloropropane	82		82		70-130	0		30
Dibromochloromethane	105		106		70-130	1		30
1,1,2-Trichloroethane	90		91		70-130	1		30
Tetrachloroethene	107		104		70-130	3		30
Chlorobenzene	103		102		70-130	1		30
Trichlorofluoromethane	101		97		70-139	4		30
1,2-Dichloroethane	85		86		70-130	1		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	90		91		70-130	1		30
trans-1,3-Dichloropropene	93		94		70-130	1		30
cis-1,3-Dichloropropene	96		97		70-130	1		30
1,1-Dichloropropene	96		94		70-130	2		30
Bromoform	101		102		70-130	1		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	91		90		70-130	1		30
Toluene	100		98		70-130	2		30
Ethylbenzene	103		102		70-130	1		30
Chloromethane	61		60		52-130	2		30
Bromomethane	104		104		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1756958-3 WG1756958-4								
Vinyl chloride	77		75		67-130	3		30
Chloroethane	110		108		50-151	2		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	100		99		70-130	1		30
1,2-Dichlorobenzene	106		106		70-130	0		30
1,3-Dichlorobenzene	107		106		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	88		90		66-130	2		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	89		91		70-130	2		30
Styrene	112		113		70-130	1		30
Dichlorodifluoromethane	85		84		30-146	1		30
Acetone	70		72		54-140	3		30
Carbon disulfide	**148**	Q	**145**	Q	59-130	2		30
2-Butanone	72		74		70-130	3		30
Vinyl acetate	70		71		70-130	1		30
4-Methyl-2-pentanone	79		79		70-130	0		30
1,2,3-Trichloropropane	94		94		68-130	0		30
2-Hexanone	78		77		70-130	1		30
Bromochloromethane	91		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1756958-3 WG1756958-4								
2,2-Dichloropropane	99		93		70-130	6		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	107		108		70-130	1		30
Bromobenzene	104		104		70-130	0		30
n-Butylbenzene	108		106		70-130	2		30
sec-Butylbenzene	106		104		70-130	2		30
tert-Butylbenzene	106		104		70-130	2		30
o-Chlorotoluene	102		101		70-130	1		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	100		101		68-130	1		30
Hexachlorobutadiene	122		120		67-130	2		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	108		106		70-130	2		30
Naphthalene	100		100		70-130	0		30
Acrylonitrile	70		74		70-130	6		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	108		109		70-130	1		30
1,2,4-Trichlorobenzene	113		113		70-130	0		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	91		93		65-136	2		30
p-Diethylbenzene	108		107		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1756958-3 WG1756958-4								
p-Ethyltoluene	106		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	109		108		70-130	1		30
Ethyl ether	85		87		67-130	2		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	87		88		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 08:01
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	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	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	800		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	41	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	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	79	J	ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	430		ug/kg	110	20.	1
Benzo(a)pyrene	500		ug/kg	140	43.	1
Benzo(b)fluoranthene	580		ug/kg	110	30.	1
Benzo(k)fluoranthene	150		ug/kg	110	28.	1
Chrysene	470		ug/kg	110	18.	1
Acenaphthylene	47	J	ug/kg	140	27.	1
Anthracene	95	J	ug/kg	110	34.	1
Benzo(ghi)perylene	310		ug/kg	140	21.	1
Fluorene	27	J	ug/kg	180	17.	1
Phenanthrene	500		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	68	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	140	25.	1
Pyrene	890		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	22	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: 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	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	31	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	61		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 10:01
Analyst: AC
Percent Solids: 93%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 05:32
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.786	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.393	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.786	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.786	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.102	J	ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.786	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.786	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.786	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.786	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.786	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.502	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.393	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.393	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.393	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.393	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.982	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.91	0.496	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.91	1.73	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	62		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	62		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	71		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	61		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	65		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	66		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	64		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	59		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	56		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	68		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	20		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	49		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	73		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	77		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	51		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	59		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	71		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	74		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 03:18
Analyst: CMM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 05:48

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	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	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	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	24.	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	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	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	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	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: 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	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	60		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 10:40
Analyst: AC
Percent Solids: 85%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 05:32
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.792	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.396	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.198	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.792	0.080	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.198	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.198	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.198	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.198	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.198	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.792	0.277	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.198	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.198	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.198	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.198	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.792	0.384	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.198	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.198	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.198	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.198	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.198	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.198	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.198	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.198	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.198	0.105	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.792	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.792	0.145	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.198	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.792	0.194	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.792	0.166	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.198	0.099	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.198	0.111	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.98	0.248	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.98	0.506	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.396	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.396	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.396	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.396	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.990	0.143	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.95	0.500	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.95	1.74	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	69		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	65		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	70		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	71		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	68		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	65		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	69		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	73		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	124		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	32		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	67		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	60		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	74		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	52		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	62		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	56		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-03
Client ID: PH1_FB01_031523
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:10
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/18/23 00:13
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/17/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.66	0.906	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.83	0.757	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.42	0.474	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.66	1.48	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.42	0.418	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.42	0.248	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.42	0.283	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.42	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.42	0.616	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.66	1.91	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.42	0.382	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.42	0.446	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.42	0.644	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.42	0.573	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.66	2.20	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.42	0.439	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.42	0.771	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.42	0.616	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.42	0.326	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.42	0.382	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.42	0.764	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.42	0.651	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.42	0.531	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.42	0.375	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.66	0.793	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.66	0.892	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.42	0.538	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-03 Date Collected: 03/15/23 14:10

Client ID: PH1_FB01_031523 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.66	1.17	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.66	1.17	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.42	0.616	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.42	0.651	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.2	3.33	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.2	1.73	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.83	0.403	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.83	0.375	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.83	0.311	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.83	1.67	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.08	2.34	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	35.4	8.28	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	35.4	5.58	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-03 Date Collected: 03/15/23 14:10

Client ID: PH1_FB01_031523 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	101		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	104		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	107		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	102		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	105		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	71		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	95		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	49		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	91		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	62		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	78		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	89		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	61		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	66		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	66		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	70		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/17/23 03:10
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/16/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1755459-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/17/23 03:10
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/16/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1755459-1					
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	22.
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/17/23 03:10
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/16/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1755459-1					
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	76		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	72		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/17/23 18:54
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/17/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1755693-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/17/23 18:54
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/17/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1755693-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/17/23 18:54
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/17/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1755693-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	70		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	61		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	53		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	44		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	52		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	61		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	53		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	60		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 08:57
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 05:32
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1757819-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 08:57
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 05:32
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1757819-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 08:57
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 05:32
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1757819-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	74		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	80		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	62		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	23		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	54		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	52		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	56		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	46		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	38		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	40		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	61		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	55		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1755459-2 WG1755459-3								
Acenaphthene	76		70		31-137	8		50
1,2,4-Trichlorobenzene	68		67		38-107	1		50
Hexachlorobenzene	77		69		40-140	11		50
Bis(2-chloroethyl)ether	70		69		40-140	1		50
2-Chloronaphthalene	71		70		40-140	1		50
1,2-Dichlorobenzene	64		66		40-140	3		50
1,3-Dichlorobenzene	64		66		40-140	3		50
1,4-Dichlorobenzene	66		67		28-104	2		50
3,3'-Dichlorobenzidine	59		55		40-140	7		50
2,4-Dinitrotoluene	77		71		40-132	8		50
2,6-Dinitrotoluene	71		66		40-140	7		50
Fluoranthene	79		71		40-140	11		50
4-Chlorophenyl phenyl ether	76		68		40-140	11		50
4-Bromophenyl phenyl ether	75		69		40-140	8		50
Bis(2-chloroisopropyl)ether	64		64		40-140	0		50
Bis(2-chloroethoxy)methane	71		70		40-117	1		50
Hexachlorobutadiene	62		62		40-140	0		50
Hexachlorocyclopentadiene	68		69		40-140	1		50
Hexachloroethane	60		63		40-140	5		50
Isophorone	71		69		40-140	3		50
Naphthalene	69		69		40-140	0		50
Nitrobenzene	72		71		40-140	1		50
NDPA/DPA	80		75		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1755459-2 WG1755459-3								
n-Nitrosodi-n-propylamine	74		71		32-121	4		50
Bis(2-ethylhexyl)phthalate	79		73		40-140	8		50
Butyl benzyl phthalate	82		73		40-140	12		50
Di-n-butylphthalate	80		73		40-140	9		50
Di-n-octylphthalate	81		75		40-140	8		50
Diethyl phthalate	79		72		40-140	9		50
Dimethyl phthalate	74		67		40-140	10		50
Benzo(a)anthracene	77		71		40-140	8		50
Benzo(a)pyrene	81		73		40-140	10		50
Benzo(b)fluoranthene	80		72		40-140	11		50
Benzo(k)fluoranthene	80		73		40-140	9		50
Chrysene	78		71		40-140	9		50
Acenaphthylene	76		70		40-140	8		50
Anthracene	77		71		40-140	8		50
Benzo(ghi)perylene	82		76		40-140	8		50
Fluorene	78		72		40-140	8		50
Phenanthrene	75		71		40-140	5		50
Dibenzo(a,h)anthracene	80		72		40-140	11		50
Indeno(1,2,3-cd)pyrene	89		82		40-140	8		50
Pyrene	79		70		35-142	12		50
Biphenyl	72		71		37-127	1		50
4-Chloroaniline	73		58		40-140	23		50
2-Nitroaniline	74		72		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1755459-2 WG1755459-3								
3-Nitroaniline	58		59		26-129	2		50
4-Nitroaniline	82		75		41-125	9		50
Dibenzofuran	78		72		40-140	8		50
2-Methylnaphthalene	70		67		40-140	4		50
1,2,4,5-Tetrachlorobenzene	70		70		40-117	0		50
Acetophenone	76		76		14-144	0		50
2,4,6-Trichlorophenol	76		71		30-130	7		50
p-Chloro-m-cresol	79		74		26-103	7		50
2-Chlorophenol	73		72		25-102	1		50
2,4-Dichlorophenol	78		72		30-130	8		50
2,4-Dimethylphenol	79		74		30-130	7		50
2-Nitrophenol	73		69		30-130	6		50
4-Nitrophenol	102		88		11-114	15		50
2,4-Dinitrophenol	67		61		4-130	9		50
4,6-Dinitro-o-cresol	84		72		10-130	15		50
Pentachlorophenol	80		73		17-109	9		50
Phenol	76		75		26-90	1		50
2-Methylphenol	78		73		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		81		30-130	2		50
2,4,5-Trichlorophenol	76		71		30-130	7		50
Benzoic Acid	30		29		10-110	3		50
Benzyl Alcohol	80		78		40-140	3		50
Carbazole	81		73		54-128	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1755459-2 WG1755459-3								
1,4-Dioxane	46		47		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		74		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	71		70		23-120
2-Fluorobiphenyl	71		70		30-120
2,4,6-Tribromophenol	77		70		10-136
4-Terphenyl-d14	75		68		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	112		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	109		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	107		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	114		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	105		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	108		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	116		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	94		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	108		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	112		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	118		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	111		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	120		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	88		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	133		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	124		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	92		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	93		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	98		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	115		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	126		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	60		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	106		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	100		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	75		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	104				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	62				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	105				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	59				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	83				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	49				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	46				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	78				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	51				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	56				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	57				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	63				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-3								
Perfluorobutanoic Acid (PFBA)	99		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	105		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	96		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	104		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	87		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	97		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	88		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	93		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	101		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	84		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	99		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-3								
Perfluorotridecanoic Acid (PFTrDA)	100		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	112		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	91		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	111		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	83		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	130		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	119		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	94		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	105		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	93		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	100		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	102		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	129		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	90		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	97		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	108		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	83		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1755693-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	60				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	57				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	51				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	46				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	77				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	53				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	61				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	74				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	60				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	64				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	91		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	95		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	88		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	88		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	93		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	116		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	65		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	75		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	82		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	88		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	78		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	90		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	96		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	91		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	64		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	92		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	81		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	82		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	98		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	95		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	90		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	92		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	86		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	106		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	92		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	76		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	68		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	91				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	87				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	72				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	69				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	56				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	43				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	43				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	56				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	53				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-3								
Perfluorobutanoic Acid (PFBA)	94		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	95		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	90		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	101		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	89		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	101		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	92		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	91		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	89		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	87		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	79		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	86		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	89		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-3								
Perfluorotridecanoic Acid (PFTrDA)	81		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	92		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	93		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	93		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	64		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	103		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	82		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	86		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	90		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	102		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	102		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	88		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	103		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	77		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	73		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1757819-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	76				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	75				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	80				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	56				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	51				20-150

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313526
Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1757819-4 WG1757819-5 QC Sample: L2313526-01 Client ID: PH1_SB22_6-8												
Perfluorobutanoic Acid (PFBA)	ND	7.9	8.58	109		8.39	107		40-150	2		30
Perfluoropentanoic Acid (PFPeA)	ND	3.95	4.42	112		4.20	107		40-150	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.75	1.91	109		1.83	105		40-150	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	7.41	8.48	114		8.37	114		40-150	1		30
Perfluorohexanoic Acid (PFHxA)	ND	1.98	2.18	110		1.96	100		40-150	11		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.86	1.97	106		1.93	104		40-150	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	1.98	2.23	113		2.15	109		40-150	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.81	1.87	104		1.86	104		40-150	1		30
Perfluorooctanoic Acid (PFOA)	ND	1.98	2.17	110		1.98	101		40-150	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.51	8.45	113		8.11	109		40-150	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.88	1.47	78		1.48	79		40-150	1		30
Perfluorononanoic Acid (PFNA)	ND	1.98	2.20	111		2.11	107		40-150	4		30
Perfluorooctanesulfonic Acid (PFOS)	0.102J	1.83	1.87	96		1.83	95		40-150	2		30
Perfluorodecanoic Acid (PFDA)	ND	1.98	1.88	95		2.26	115		40-150	18		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.59	9.27	122		9.55	127		40-150	3		30
Perfluorononanesulfonic Acid (PFNS)	ND	1.9	2.06	108		2.18	115		40-150	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.98	2.18	110		2.15	109		40-150	1		30
Perfluoroundecanoic Acid (PFUnA)	ND	1.98	1.98	100		2.09	106		40-150	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	1.91	1.94	102		1.88	99		40-150	3		30
Perfluorooctanesulfonamide (PFOSA)	ND	1.98	2.17	110		2.08	106		40-150	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.98	2.02	102		1.85	94		40-150	9		30
Perfluorododecanoic Acid (PFDoA)	ND	1.98	2.01	102		1.81	92		40-150	10		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1757819-4 WG1757819-5 QC Sample: L2313526-01 Client ID: PH1_SB22_6-8												
Perfluorotridecanoic Acid (PFTrDA)	ND	1.98	1.72	87		1.83	93		40-150	6		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.98	2.10	106		1.92	98		40-150	9		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	7.9	10.1	128		10.1	128		40-150	0		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	7.47	7.78	104		7.71	104		40-150	1		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	1.92	1.24	65		1.40	73		40-150	12		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	7.39	11.6	**157**	Q	11.4	**155**	Q	40-150	2		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	7.47	9.63	129		9.73	131		40-150	1		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.98	2.16	109		2.14	109		40-150	1		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.98	2.08	105		2.17	110		40-150	4		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	19.8	22.0	111		20.3	103		40-150	8		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	19.8	21.6	109		20.0	102		40-150	8		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.95	3.81	96		3.71	94		40-150	3		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.95	4.01	101		4.02	102		40-150	0		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.52	3.41	97		3.22	92		40-150	6		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.95	4.60	116		4.59	117		40-150	0		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	9.88	7.27	74		7.22	74		40-150	1		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	49.4	31.1	63		28.5	58		40-150	9		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	49.4	18.6	**38**	Q	17.2	**35**	Q	40-150	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1757819-4 WG1757819-5 QC Sample: L2313526-01 Client ID: PH1_SB22_6-8

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	55		57		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	59		61		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		55		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	42		45		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	54		63		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	44		48		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	20		**19**	Q	20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	60		69		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	66		70		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	44		46		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	68		71		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	65		68		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74		74		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	71		65		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	67		72		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	61		64		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		69		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	42		55		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	61		65		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	60		64		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	63		66		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	58		68		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2313526

Project Number: 170635401 ***Report Date:*** 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1757819-4 WG1757819-5 QC Sample: L2313526-01 Client ID: PH1_SB22_6-8												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	72		74		20-150

PCBS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/17/23 20:50
Analyst: AD
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 04:52
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	ND		ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.58	1	A
PCBs, Total	ND		ug/kg	34.6	3.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/17/23 20:05
Analyst: AD
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 04:52
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

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	8.17	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	7.12	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	3.99	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	78		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/17/23 20:12
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 03/17/23 04:52
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1755624-1						
Aroclor 1016	ND		ug/kg	31.9	2.83	A
Aroclor 1221	ND		ug/kg	31.9	3.20	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	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	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	85		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1755624-2 WG1755624-3									
Aroclor 1016	68		79		40-140	15		50	A
Aroclor 1260	61		72		40-140	17		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		95		30-150	A
Decachlorobiphenyl	70		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		91		30-150	B
Decachlorobiphenyl	68		76		30-150	B

PESTICIDES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/18/23 10:41
Analyst: MMG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 02:41
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.695	0.311	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	1.67	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.974	1	A
Toxaphene	ND		ug/kg	31.3	8.76	1	A
cis-Chlordane	ND		ug/kg	2.09	0.581	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.53	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: 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	62		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/18/23 01:21
Analyst: MMG
Percent Solids: 93%
Methylation Date: 03/17/23 14:08

Extraction Method: EPA 8151A
Extraction Date: 03/16/23 15:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.1	1	A
2,4,5-T	ND		ug/kg	177	5.48	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	63		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/18/23 10:52
Analyst: MMG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 02:41
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.684	1	A
Heptachlor	ND		ug/kg	0.902	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.635	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.789	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.643	1	A
4,4'-DDT	ND		ug/kg	1.80	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.47	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.595	1	A
Chlordane	ND		ug/kg	15.0	5.97	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: 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	87		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/20/23 16:45
Analyst: MMG
Percent Solids: 85%
Methylation Date: 03/20/23 08:45

Extraction Method: EPA 8151A
Extraction Date: 03/18/23 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	96		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/17/23 18:51
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 03/16/23 15:31

Methylation Date: 03/17/23 14:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1755486-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	46		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/18/23 09:32
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 03/17/23 02:41
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1755611-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	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	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	1.54	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	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	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	5.11	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/18/23 09:32
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 03/17/23 02:41
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1755611-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/20/23 10:53
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 03/18/23 08:59

Methylation Date: 03/20/23 08:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02 Batch: WG1756089-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1755486-2 WG1755486-3									
2,4-D	32		37		30-150	14		30	A
2,4,5-T	35		38		30-150	8		30	A
2,4,5-TP (Silvex)	34		35		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	**27**	Q	**25**	Q	30-150	A
DCAA	**27**	Q	**18**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1755611-2 WG1755611-3									
Delta-BHC	82		74		30-150	10		30	A
Lindane	78		72		30-150	8		30	A
Alpha-BHC	82		76		30-150	8		30	A
Beta-BHC	74		67		30-150	10		30	A
Heptachlor	75		69		30-150	8		30	A
Aldrin	78		72		30-150	8		30	A
Heptachlor epoxide	75		69		30-150	8		30	A
Endrin	81		75		30-150	8		30	A
Endrin aldehyde	69		62		30-150	11		30	A
Endrin ketone	78		74		30-150	5		30	A
Dieldrin	85		79		30-150	7		30	A
4,4'-DDE	79		73		30-150	8		30	A
4,4'-DDD	84		77		30-150	9		30	A
4,4'-DDT	75		69		30-150	8		30	A
Endosulfan I	78		72		30-150	8		30	A
Endosulfan II	81		75		30-150	8		30	A
Endosulfan sulfate	68		63		30-150	8		30	A
Methoxychlor	75		68		30-150	10		30	A
cis-Chlordane	80		74		30-150	8		30	A
trans-Chlordane	100		92		30-150	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1755611-2 WG1755611-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		72		30-150	A
Decachlorobiphenyl	89		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	B
Decachlorobiphenyl	84		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1756089-2 WG1756089-3									
2,4-D	104		108		30-150	4		30	A
2,4,5-T	104		108		30-150	4		30	A
2,4,5-TP (Silvex)	99		103		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	92		95		30-150	A
DCAA	97		99		30-150	B

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01 Date Collected: 03/15/23 14:00

Client ID: PH1_SB22_6-8 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7130		mg/kg	8.25	2.23	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Antimony, Total	1.14	J	mg/kg	4.13	0.314	2	03/16/23 22:32	03/19/23 18:58	EPA 3050B	1,6010D	AMW
Arsenic, Total	4.56		mg/kg	0.825	0.172	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Barium, Total	76.9		mg/kg	0.825	0.144	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.217	J	mg/kg	0.413	0.027	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.203	J	mg/kg	0.825	0.081	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Calcium, Total	7190		mg/kg	8.25	2.89	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Chromium, Total	11.6		mg/kg	0.825	0.079	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Cobalt, Total	6.87		mg/kg	1.65	0.137	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Copper, Total	35.9		mg/kg	0.825	0.213	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Iron, Total	12800		mg/kg	4.13	0.745	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Lead, Total	168		mg/kg	4.13	0.221	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Magnesium, Total	3970		mg/kg	8.25	1.27	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Manganese, Total	275		mg/kg	0.825	0.131	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Mercury, Total	0.273		mg/kg	0.076	0.049	1	03/16/23 23:55	03/17/23 14:48	EPA 7471B	1,7471B	DMB
Nickel, Total	14.1		mg/kg	2.06	0.200	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Potassium, Total	1910		mg/kg	206	11.9	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.65	0.213	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.413	0.234	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Sodium, Total	234		mg/kg	165	2.60	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.65	0.260	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Vanadium, Total	20.3		mg/kg	0.825	0.168	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
Zinc, Total	102		mg/kg	4.13	0.242	2	03/16/23 22:32	03/19/23 17:03	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11.6		mg/kg	0.858	0.858	1		03/20/23 22:25	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02 Date Collected: 03/15/23 15:15

Client ID: PH1_SB22_14-16 Date Received: 03/15/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4890		mg/kg	9.30	2.51	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Antimony, Total	0.553	J	mg/kg	4.65	0.353	2	03/16/23 22:32	03/19/23 19:02	EPA 3050B	1,6010D	AMW
Arsenic, Total	2.59		mg/kg	0.930	0.193	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Barium, Total	21.8		mg/kg	0.930	0.162	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.193	J	mg/kg	0.465	0.031	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.930	0.091	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Calcium, Total	1280		mg/kg	9.30	3.25	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Chromium, Total	9.49		mg/kg	0.930	0.089	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Cobalt, Total	2.76		mg/kg	1.86	0.154	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Copper, Total	9.26		mg/kg	0.930	0.240	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Iron, Total	9900		mg/kg	4.65	0.839	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Lead, Total	25.9		mg/kg	4.65	0.249	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Magnesium, Total	2320		mg/kg	9.30	1.43	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Manganese, Total	115		mg/kg	0.930	0.148	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Mercury, Total	0.069	J	mg/kg	0.077	0.050	1	03/16/23 23:55	03/17/23 14:51	EPA 7471B	1,7471B	DMB
Nickel, Total	8.55		mg/kg	2.32	0.225	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Potassium, Total	970		mg/kg	232	13.4	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.86	0.240	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.465	0.263	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Sodium, Total	263		mg/kg	186	2.93	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.86	0.293	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Vanadium, Total	13.4		mg/kg	0.930	0.189	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
Zinc, Total	22.8		mg/kg	4.65	0.272	2	03/16/23 22:32	03/19/23 17:06	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	9.49		mg/kg	0.944	0.944	1		03/20/23 22:25	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

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): 01-02 Batch: WG1755368-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/16/23 22:32	03/19/23 17:49	1,6010D	AMW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Iron, Total	4.28		mg/kg	2.00	0.361	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/16/23 22:32	03/19/23 15:25	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1755369-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/16/23 23:55	03/17/23 13:25	1,7471B	DMB

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1755368-2 SRM Lot Number: D116-540								
Aluminum, Total	86		-		45-155	-		
Antimony, Total	142		-		2-205	-		
Arsenic, Total	104		-		82-119	-		
Barium, Total	94		-		82-118	-		
Beryllium, Total	96		-		82-118	-		
Cadmium, Total	96		-		82-118	-		
Calcium, Total	96		-		81-119	-		
Chromium, Total	94		-		81-118	-		
Cobalt, Total	94		-		83-117	-		
Copper, Total	102		-		83-117	-		
Iron, Total	104		-		58-142	-		
Lead, Total	104		-		83-117	-		
Magnesium, Total	94		-		75-125	-		
Manganese, Total	96		-		82-118	-		
Nickel, Total	96		-		82-118	-		
Potassium, Total	89		-		68-131	-		
Selenium, Total	101		-		78-122	-		
Silver, Total	95		-		79-121	-		
Sodium, Total	101		-		71-130	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	98		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1755368-2 SRM Lot Number: D116-540					
Zinc, Total	98	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1755369-2 SRM Lot Number: D116-540					
Mercury, Total	93	-	58-142	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1755368-3 QC Sample: L2311894-01 Client ID: MS Sample												
Aluminum, Total	10600	626	13500	**463**	Q	-	-		75-125	-		20
Arsenic, Total	3.14	37.6	48.2	120		-	-		75-125	-		20
Barium, Total	91.2	626	692	96		-	-		75-125	-		20
Beryllium, Total	0.388J	15.6	15.8	101		-	-		75-125	-		20
Cadmium, Total	0.282J	16.6	15.3	92		-	-		75-125	-		20
Calcium, Total	5530	3130	8600	98		-	-		75-125	-		20
Chromium, Total	18.0	62.6	79.2	98		-	-		75-125	-		20
Cobalt, Total	8.70	156	158	95		-	-		75-125	-		20
Copper, Total	26.4	78.3	114	112		-	-		75-125	-		20
Iron, Total	17800	313	19000	**383**	Q	-	-		75-125	-		20
Lead, Total	31.0	166	230	120		-	-		75-125	-		20
Magnesium, Total	3160	3130	6420	104		-	-		75-125	-		20
Manganese, Total	336	156	490	98		-	-		75-125	-		20
Nickel, Total	14.6	156	157	91		-	-		75-125	-		20
Potassium, Total	1380	3130	4600	103		-	-		75-125	-		20
Selenium, Total	0.528J	37.6	47.1	125		-	-		75-125	-		20
Silver, Total	ND	15.6	12.8	82		-	-		75-125	-		20
Sodium, Total	144J	3130	3380	108		-	-		75-125	-		20
Thallium, Total	ND	37.6	43.1	115		-	-		75-125	-		20
Vanadium, Total	29.9	156	183	98		-	-		75-125	-		20
Zinc, Total	64.4	156	210	93		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

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): 01-02 QC Batch ID: WG1755369-3 QC Sample: L2311894-01 Client ID: MS Sample									
Mercury, Total	ND	5.2	5.10	98	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1755368-4 QC Sample: L2311894-01 Client ID: DUP Sample						
Arsenic, Total	3.14	4.04	mg/kg	**25**	Q	20
Barium, Total	91.2	95.2	mg/kg	4		20
Beryllium, Total	0.388J	0.446J	mg/kg	NC		20
Cadmium, Total	0.282J	0.275J	mg/kg	NC		20
Chromium, Total	18.0	19.7	mg/kg	9		20
Copper, Total	26.4	28.5	mg/kg	8		20
Lead, Total	31.0	32.8	mg/kg	6		20
Manganese, Total	336	350	mg/kg	4		20
Nickel, Total	14.6	17.7	mg/kg	19		20
Selenium, Total	0.528J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	64.4	70.8	mg/kg	9		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1755369-4 QC Sample: L2311894-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313526
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-01
Client ID: PH1_SB22_6-8
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/15/23 14:00
Date Received: 03/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	03/16/23 09:14	121,2540G	ROI
Cyanide, Total	0.31	J	mg/kg	0.99	0.21	1	03/22/23 14:30	03/22/23 17:07	1,9010C/9012B	JRO
Chromium, Hexavalent	ND		mg/kg	0.858	0.172	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313526
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313526-02
Client ID: PH1_SB22_14-16
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/15/23 15:15
Date Received: 03/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	03/16/23 09:14	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/22/23 14:30	03/22/23 17:08	1,9010C/9012B	JRO
Chromium, Hexavalent	ND		mg/kg	0.944	0.189	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313526

Project Number: 170635401 **Report Date:** 04/03/23

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): 01-02 Batch: WG1756138-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1757497-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	03/22/23 14:30	03/22/23 16:52	1,9010C/9012B	JRO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1756138-2								
Chromium, Hexavalent	**71**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1757497-2 WG1757497-3								
Cyanide, Total	**49**	Q	85		80-120	**54**	Q	35

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1756138-4 QC Sample: L2313526-02 Client ID: PH1_SB22_14-16												
Chromium, Hexavalent	ND	1810	520	**29**	Q	-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1757497-4 WG1757497-5 QC Sample: L2313521-01 Client ID: MS Sample												
Cyanide, Total	0.34J	9.9	11	110		11	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313526

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1755218-1 QC Sample: L2313553-01 Client ID: DUP Sample						
Solids, Total	74.0	77.3	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1756138-6 QC Sample: L2313526-02 Client ID: PH1_SB22_14-16						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

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(*)
L2313526-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2313526-01B	Vial water preserved	A	NA		3.5	Y	Absent	16-MAR-23 02:16	NYTCL-8260HLW(14)
L2313526-01C	Vial water preserved	A	NA		3.5	Y	Absent	16-MAR-23 02:16	NYTCL-8260HLW(14)
L2313526-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2313526-01E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2313526-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2313526-01G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313526-01H	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-1633-DRAFT(90)
L2313526-01I	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313526-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2313526-02B	Vial water preserved	A	NA		3.5	Y	Absent	16-MAR-23 02:16	NYTCL-8260HLW(14)
L2313526-02C	Vial water preserved	A	NA		3.5	Y	Absent	16-MAR-23 02:16	NYTCL-8260HLW(14)
L2313526-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2313526-02E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2313526-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	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),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2313526-02G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313526
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313526-02H	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-1633-DRAFT(90)
L2313526-02I	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313526-03A	Plastic 500ml unpreserved	A	NA		3.5	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313526
Report Date: 04/03/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313526
Report Date: 04/03/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313526
Project Number:	170635401	**Report Date:**	04/03/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 3/15/23

ALPHA Job #: L2313526

Client Information
Client: Langan
Address: 360 W 31st Street 8th Floor NY, NY
Phone: 212-479-5400
Fax:
Email: Gwynn@langan.com

Project Information
Project Name: 687 Lenox Avenue - Phase 1
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Greg Wynn
ALPHAQuote #: 21538

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CC: ANesci@langan.com & Datamanagement@langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs/SVOCs	PCBs	TAL Metals w/ Hex + Tri Chromium	Cyanide	Pests/Herbs	PFAS (40 compounds)	1,4-Dioxane	Sample Specific Comments	Total Bottle
13526-01	PH1_SB22_6-8	3/15/23	14:00	S	JF	X	X	X	X	X	X	X		
-02	PH1_SB22_14-16		15:15	S	JF	X	X	X	X	X	X	X		
-03	PH1_FB01_031523		14:10	AQ	JF						X			

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	3/15/23 15:40		3/15/23 15:40
	3/15/23 18:00	MNL	3/15/23 19:30
	3/15/23 2140		3/15/23 2140
	3/15/23 2340		3/15/23 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2313767
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	04/03/23

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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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313767-01	PH1_SB23_0-2	SOIL	MANHATTAN, NY	03/16/23 11:00	03/16/23
L2313767-02	PH1_SB23_4-6	SOIL	MANHATTAN, NY	03/16/23 11:05	03/16/23
L2313767-03	PH1_SB23_14-16	SOIL	MANHATTAN, NY	03/16/23 11:10	03/16/23
L2313767-04	PH1_SODUP01_031623	SOIL	MANHATTAN, NY	03/16/23 00:00	03/16/23
L2313767-05	PH1_FB02_031623	WATER	MANHATTAN, NY	03/16/23 09:00	03/16/23
L2313767-06	PH1_SB21_6-8	SOIL	MANHATTAN, NY	03/16/23 14:00	03/16/23
L2313767-07	PH1_SB21_16-18	SOIL	MANHATTAN, NY	03/16/23 14:05	03/16/23
L2313767-08	PH1_SOTB02_031623	WATER	MANHATTAN, NY	03/16/23 00:00	03/16/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313767
Project Number:	170635401	**Report Date:**	04/03/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313767
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

Report Submission

April 03, 2023: This final report includes the results of all requested analyses.

March 24, 2023: 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 by SIM

L2313767-05: The Field Blank has a result for Naphthalene present above the reporting limit; however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analysis are reported.

Pesticides

L2313767-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (2901%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (1%) due to interference with the Internal Standard.

Total Metals

L2313767-01 through -04, -06, and -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Hexavalent Chromium

The WG1756138-2 LCS recovery for chromium, hexavalent (71%), associated with L2313767-01 through -04, -06, and -07, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 04/03/23

ORGANICS

VOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 12:02
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	0.50	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	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	123		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	115		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/21/23 10:27
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.7	4.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.28	1
Chloroform	ND		ug/kg	2.9	0.27	1
Carbon tetrachloride	ND		ug/kg	1.9	0.45	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.24	1
Dibromochloromethane	ND		ug/kg	1.9	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.52	1
Tetrachloroethene	ND		ug/kg	0.97	0.38	1
Chlorobenzene	ND		ug/kg	0.97	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.8	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.50	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.32	1
Bromodichloromethane	ND		ug/kg	0.97	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.53	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.97	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.97	0.31	1
Bromoform	ND		ug/kg	7.8	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.32	1
Benzene	ND		ug/kg	0.97	0.32	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.27	1
Chloromethane	ND		ug/kg	7.8	1.8	1
Bromomethane	ND		ug/kg	3.9	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.65	1
Chloroethane	ND		ug/kg	3.9	0.88	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.27	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: 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	0.97	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.9	0.39	1
p/m-Xylene	ND		ug/kg	3.9	1.1	1
o-Xylene	ND		ug/kg	1.9	0.56	1
Xylenes, Total	ND		ug/kg	1.9	0.56	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.27	1
Dibromomethane	ND		ug/kg	3.9	0.46	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	19	1.8	1
Acetone	9.4	J	ug/kg	19	9.3	1
Carbon disulfide	ND		ug/kg	19	8.8	1
2-Butanone	ND		ug/kg	19	4.3	1
Vinyl acetate	ND		ug/kg	19	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	3.9	0.25	1
2-Hexanone	ND		ug/kg	19	2.3	1
Bromochloromethane	ND		ug/kg	3.9	0.40	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.39	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.54	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.26	1
Bromobenzene	ND		ug/kg	3.9	0.28	1
n-Butylbenzene	ND		ug/kg	1.9	0.32	1
sec-Butylbenzene	ND		ug/kg	1.9	0.28	1
tert-Butylbenzene	ND		ug/kg	3.9	0.23	1
o-Chlorotoluene	ND		ug/kg	3.9	0.37	1
p-Chlorotoluene	ND		ug/kg	3.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.8	0.33	1
Isopropylbenzene	ND		ug/kg	1.9	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.21	1
Naphthalene	ND		ug/kg	7.8	1.3	1
Acrylonitrile	ND		ug/kg	7.8	2.2	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: 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	1.9	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.62	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.53	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.37	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.65	1
1,4-Dioxane	ND		ug/kg	160	68.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.34	1
p-Ethyltoluene	ND		ug/kg	3.9	0.74	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.37	1
Ethyl ether	ND		ug/kg	3.9	0.66	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.7	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	115		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 11:10
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	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	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	23		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	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	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	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	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	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	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	112		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 10:45
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	6.4	J	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	110	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	114		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/17/23 22:10
Analyst: LAC

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

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: 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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 10:19
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	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	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	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	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	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	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	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	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:53
Analyst: AJK
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	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	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: 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	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	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	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	22		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	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	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	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	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: 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	0.19	J	ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	0.34	J	ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	114		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-08
Client ID: PH1_SOTB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/17/23 22:33
Analyst: LAC

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

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-08 Date Collected: 03/16/23 00:00

Client ID: PH1_SOTB02_031623 Date Received: 03/16/23

Sample Location: 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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-08 Date Collected: 03/16/23 00:00

Client ID: PH1_SOTB02_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/17/23 19:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1756553-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/17/23 19:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1756553-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/17/23 19:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1756553-5					
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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-04,06-07 Batch: WG1756958-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-04,06-07 Batch: WG1756958-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/20/23 09:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-04,06-07 Batch: WG1756958-5					
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	0.27	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	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	121		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/21/23 09:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1757189-5					
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	0.64	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/21/23 09:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1757189-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/21/23 09:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1757189-5					
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	0.37	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.28	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	128		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	118		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1756553-3 WG1756553-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	95		99		70-130	4		20
Carbon tetrachloride	91		95		63-132	4		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	82		87		63-130	6		20
1,1,2-Trichloroethane	92		99		70-130	7		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	96		100		70-130	4		20
1,1,1-Trichloroethane	97		100		67-130	3		20
Bromodichloromethane	86		89		67-130	3		20
trans-1,3-Dichloropropene	85		90		70-130	6		20
cis-1,3-Dichloropropene	87		91		70-130	4		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	76		80		54-136	5		20
1,1,2,2-Tetrachloroethane	90		96		67-130	6		20
Benzene	99		100		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	72		72		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1756553-3 WG1756553-4								
Vinyl chloride	110		120		55-140	9		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	87		94		63-130	8		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	90		96		70-130	6		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	89		91		36-147	2		20
Acetone	79		91		58-148	14		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	81		90		63-138	11		20
Vinyl acetate	93		99		70-130	6		20
4-Methyl-2-pentanone	88		100		59-130	13		20
2-Hexanone	81		93		57-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1756553-3 WG1756553-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	94		96		63-133	2		20
1,2-Dibromoethane	89		93		70-130	4		20
1,3-Dichloropropane	92		100		70-130	8		20
1,1,1,2-Tetrachloroethane	88		92		64-130	4		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	77		82		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	89		95		70-130	7		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	93		98		70-130	5		20
1,2,4-Trichlorobenzene	95		98		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	94		100		56-162	6		20
p-Diethylbenzene	99		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1756553-3 WG1756553-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	93		95		70-130	2		20
Ethyl ether	98		100		59-134	2		20
trans-1,4-Dichloro-2-butene	77		84		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		104		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-04,06-07 Batch: WG1756958-3 WG1756958-4								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	81		80		70-130	1		30
Chloroform	88		86		70-130	2		30
Carbon tetrachloride	104		102		70-130	2		30
1,2-Dichloropropane	82		82		70-130	0		30
Dibromochloromethane	105		106		70-130	1		30
1,1,2-Trichloroethane	90		91		70-130	1		30
Tetrachloroethene	107		104		70-130	3		30
Chlorobenzene	103		102		70-130	1		30
Trichlorofluoromethane	101		97		70-139	4		30
1,2-Dichloroethane	85		86		70-130	1		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	90		91		70-130	1		30
trans-1,3-Dichloropropene	93		94		70-130	1		30
cis-1,3-Dichloropropene	96		97		70-130	1		30
1,1-Dichloropropene	96		94		70-130	2		30
Bromoform	101		102		70-130	1		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	91		90		70-130	1		30
Toluene	100		98		70-130	2		30
Ethylbenzene	103		102		70-130	1		30
Chloromethane	61		60		52-130	2		30
Bromomethane	104		104		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-04,06-07 Batch: WG1756958-3 WG1756958-4								
Vinyl chloride	77		75		67-130	3		30
Chloroethane	110		108		50-151	2		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	100		99		70-130	1		30
1,2-Dichlorobenzene	106		106		70-130	0		30
1,3-Dichlorobenzene	107		106		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	88		90		66-130	2		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	89		91		70-130	2		30
Styrene	112		113		70-130	1		30
Dichlorodifluoromethane	85		84		30-146	1		30
Acetone	70		72		54-140	3		30
Carbon disulfide	**148**	Q	**145**	Q	59-130	2		30
2-Butanone	72		74		70-130	3		30
Vinyl acetate	70		71		70-130	1		30
4-Methyl-2-pentanone	79		79		70-130	0		30
1,2,3-Trichloropropane	94		94		68-130	0		30
2-Hexanone	78		77		70-130	1		30
Bromochloromethane	91		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-04,06-07 Batch: WG1756958-3 WG1756958-4								
2,2-Dichloropropane	99		93		70-130	6		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	107		108		70-130	1		30
Bromobenzene	104		104		70-130	0		30
n-Butylbenzene	108		106		70-130	2		30
sec-Butylbenzene	106		104		70-130	2		30
tert-Butylbenzene	106		104		70-130	2		30
o-Chlorotoluene	102		101		70-130	1		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	100		101		68-130	1		30
Hexachlorobutadiene	122		120		67-130	2		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	108		106		70-130	2		30
Naphthalene	100		100		70-130	0		30
Acrylonitrile	70		74		70-130	6		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	108		109		70-130	1		30
1,2,4-Trichlorobenzene	113		113		70-130	0		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	91		93		65-136	2		30
p-Diethylbenzene	108		107		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-04,06-07 Batch: WG1756958-3 WG1756958-4								
p-Ethyltoluene	106		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	109		108		70-130	1		30
Ethyl ether	85		87		67-130	2		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	87		88		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1757189-3 WG1757189-4								
Methylene chloride	92		89		70-130	3		30
1,1-Dichloroethane	84		80		70-130	5		30
Chloroform	91		90		70-130	1		30
Carbon tetrachloride	102		98		70-130	4		30
1,2-Dichloropropane	83		83		70-130	0		30
Dibromochloromethane	104		107		70-130	3		30
1,1,2-Trichloroethane	88		92		70-130	4		30
Tetrachloroethene	104		103		70-130	1		30
Chlorobenzene	104		103		70-130	1		30
Trichlorofluoromethane	95		91		70-139	4		30
1,2-Dichloroethane	88		88		70-130	0		30
1,1,1-Trichloroethane	101		96		70-130	5		30
Bromodichloromethane	94		93		70-130	1		30
trans-1,3-Dichloropropene	91		94		70-130	3		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
1,1-Dichloropropene	95		92		70-130	3		30
Bromoform	101		103		70-130	2		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	92		90		70-130	2		30
Toluene	100		98		70-130	2		30
Ethylbenzene	104		101		70-130	3		30
Chloromethane	59		55		52-130	7		30
Bromomethane	102		99		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1757189-3 WG1757189-4								
Vinyl chloride	74		67		67-130	10		30
Chloroethane	109		101		50-151	8		30
1,1-Dichloroethene	89		83		65-135	7		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	103		100		70-130	3		30
1,2-Dichlorobenzene	108		108		70-130	0		30
1,3-Dichlorobenzene	110		108		70-130	2		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	86		90		66-130	5		30
p/m-Xylene	109		107		70-130	2		30
o-Xylene	110		109		70-130	1		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	94		93		70-130	1		30
Styrene	115		114		70-130	1		30
Dichlorodifluoromethane	90		82		30-146	9		30
Acetone	69		72		54-140	4		30
Carbon disulfide	**144**	Q	**134**	Q	59-130	7		30
2-Butanone	73		74		70-130	1		30
Vinyl acetate	70		73		70-130	4		30
4-Methyl-2-pentanone	75		79		70-130	5		30
1,2,3-Trichloropropane	96		96		68-130	0		30
2-Hexanone	71		78		70-130	9		30
Bromochloromethane	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1757189-3 WG1757189-4								
2,2-Dichloropropane	100		91		70-130	9		30
1,2-Dibromoethane	94		97		70-130	3		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	106		105		70-130	1		30
n-Butylbenzene	107		102		70-130	5		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	106		102		70-130	4		30
o-Chlorotoluene	106		102		70-130	4		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	100		102		68-130	2		30
Hexachlorobutadiene	120		115		67-130	4		30
Isopropylbenzene	105		102		70-130	3		30
p-Isopropyltoluene	108		104		70-130	4		30
Naphthalene	100		102		70-130	2		30
Acrylonitrile	70		75		70-130	7		30
n-Propylbenzene	104		100		70-130	4		30
1,2,3-Trichlorobenzene	110		112		70-130	2		30
1,2,4-Trichlorobenzene	115		116		70-130	1		30
1,3,5-Trimethylbenzene	104		101		70-130	3		30
1,2,4-Trimethylbenzene	105		103		70-130	2		30
1,4-Dioxane	91		91		65-136	0		30
p-Diethylbenzene	108		104		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1757189-3 WG1757189-4								
p-Ethyltoluene	106		102		70-130	4		30
1,2,4,5-Tetramethylbenzene	109		108		70-130	1		30
Ethyl ether	87		88		67-130	1		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	90		89		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/22/23 08:31
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/21/23 17:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	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	2600		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	70	J	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	520		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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1100		ug/kg	110	20.	1
Benzo(a)pyrene	1200		ug/kg	140	44.	1
Benzo(b)fluoranthene	1600		ug/kg	110	30.	1
Benzo(k)fluoranthene	380		ug/kg	110	29.	1
Chrysene	1200		ug/kg	110	19.	1
Acenaphthylene	180		ug/kg	140	28.	1
Anthracene	290		ug/kg	110	35.	1
Benzo(ghi)perylene	790		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	18.	1
Phenanthrene	1800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	150		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	780		ug/kg	140	25.	1
Pyrene	2200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	89	J	ug/kg	180	17.	1
2-Methylnaphthalene	38	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	170	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	22		10-136
4-Terphenyl-d14	70		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 10:29
Analyst: AC
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.784	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.784	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	0.071	J	ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.784	0.274	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.094	J	ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.784	0.379	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.784	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.784	0.143	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.784	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.784	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.245	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.500	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.392	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.392	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.392	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.392	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.980	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.90	0.495	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.90	1.72	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	71		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	71		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	69		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	72		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	69		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	71		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	66		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	58		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	54		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	51		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 10:25
Analyst: MG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	480		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	7200		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	340		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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	6700		ug/kg	110	22.	1
Benzo(a)pyrene	6800		ug/kg	150	47.	1
Benzo(b)fluoranthene	8000	E	ug/kg	110	32.	1
Benzo(k)fluoranthene	1900		ug/kg	110	31.	1
Chrysene	6300		ug/kg	110	20.	1
Acenaphthylene	580		ug/kg	150	30.	1
Anthracene	1800		ug/kg	110	37.	1
Benzo(ghi)perylene	3900		ug/kg	150	22.	1
Fluorene	440		ug/kg	190	19.	1
Phenanthrene	6000		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	790		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	4400		ug/kg	150	27.	1
Pyrene	7100		ug/kg	110	19.	1
Biphenyl	47	J	ug/kg	440	25.	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	300		ug/kg	190	18.	1
2-Methylnaphthalene	120	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	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	30	J	ug/kg	280	30.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: 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	440		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	45		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	37		10-136
4-Terphenyl-d14	43		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 10:42
Analyst: AC
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.786	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.393	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.786	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.786	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.212		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.786	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.786	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.786	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.786	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.786	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.501	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.393	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.393	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.393	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.393	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.982	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.91	0.496	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.91	1.73	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	65		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	68		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	64		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	62		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	52		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	60		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	50		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	54		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	50		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	53		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	55		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	52		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	46		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	54		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	41		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	41		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	44		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	33		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	62		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	34		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	32		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	40		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	41		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 D
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/21/23 06:35
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	6500		ug/kg	1100	320	10

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 08:51
Analyst: MG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	53	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	400		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	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	54	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	53	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	160		ug/kg	120	22.	1
Benzo(a)pyrene	140	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	170		ug/kg	120	33.	1
Benzo(k)fluoranthene	53	J	ug/kg	120	31.	1
Chrysene	150		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	130		ug/kg	120	38.	1
Benzo(ghi)perylene	77	J	ug/kg	160	23.	1
Fluorene	58	J	ug/kg	200	19.	1
Phenanthrene	500		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	87	J	ug/kg	160	27.	1
Pyrene	330		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	450	25.	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	55	J	ug/kg	200	18.	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	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	200	38.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	52	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	46		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 10:55
Analyst: AC
Percent Solids: 83%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.783	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.783	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.783	0.274	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.149	J	ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.783	0.379	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.783	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.783	0.143	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.783	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.783	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.245	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.500	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.392	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.392	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.392	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.392	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.979	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.90	0.494	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.90	1.72	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	70		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	75		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	70		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	71		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	79		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	67		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	72		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	51		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/22/23 08:55
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/21/23 17:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	69	J	ug/kg	180	63.	1
Butyl benzyl phthalate	390		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	500		ug/kg	110	20.	1
Benzo(a)pyrene	500		ug/kg	140	44.	1
Benzo(b)fluoranthene	620		ug/kg	110	30.	1
Benzo(k)fluoranthene	200		ug/kg	110	29.	1
Chrysene	500		ug/kg	110	19.	1
Acenaphthylene	110	J	ug/kg	140	28.	1
Anthracene	110		ug/kg	110	35.	1
Benzo(ghi)perylene	360		ug/kg	140	21.	1
Fluorene	35	J	ug/kg	180	18.	1
Phenanthrene	600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	75	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	140	25.	1
Pyrene	960		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	23	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	68	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	16		10-136
4-Terphenyl-d14	71		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 11:07
Analyst: AC
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.777	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.389	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.194	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.777	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.194	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.194	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.194	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.194	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.194	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.777	0.272	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.194	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.194	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.101	JF	ng/g	0.194	0.077	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.194	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.777	0.376	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.194	0.041	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.194	0.097	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.194	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.194	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.194	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.194	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.194	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.194	0.051	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.194	0.103	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.777	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.777	0.142	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.194	0.037	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.777	0.190	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.777	0.162	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.194	0.097	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.194	0.109	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.94	0.243	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.94	0.496	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.389	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.389	0.030	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.389	0.081	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.389	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.972	0.140	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.86	0.490	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.86	1.71	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	63		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	64		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	65		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	65		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	57		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	61		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	58		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	59		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	57		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	55		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	58		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	54		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	46		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	58		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	45		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	43		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	48		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	62		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	37		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	37		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	41		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	41		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/23/23 12:40
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: 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	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	74		41-149

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/21/23 01:23
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 03/18/23 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/23/23 08:27
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

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	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.18		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	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	0.01	J	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	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.08	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	0.10	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY 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	69		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	**134**	Q	23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	**180**	Q	10-120
4-Terphenyl-d14	91		41-149

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/30/23 12:26
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.98	0.957	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.99	0.800	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.50	0.501	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.98	1.56	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.50	0.441	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.50	0.262	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.50	0.299	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.50	0.359	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.50	0.651	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.98	2.02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.50	0.404	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.50	0.471	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.50	0.680	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.50	0.606	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.98	2.32	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.50	0.464	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.50	0.815	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.50	0.651	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.50	0.344	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.50	0.404	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.50	0.808	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.50	0.688	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.50	0.561	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.50	0.396	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.98	0.838	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.98	0.942	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.50	0.568	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.98	1.23	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.98	1.23	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.50	0.651	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.50	0.688	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.0	3.52	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.0	1.83	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.99	0.426	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.99	0.396	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.99	0.329	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.99	1.76	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.48	2.47	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.4	8.75	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.4	5.90	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	70		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	75		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	87		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	52		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	53		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	61		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 10:48
Analyst: MG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3000		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	8100	E	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	3700		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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	5200		ug/kg	110	20.	1
Benzo(a)pyrene	4900		ug/kg	140	44.	1
Benzo(b)fluoranthene	5500		ug/kg	110	30.	1
Benzo(k)fluoranthene	1500		ug/kg	110	29.	1
Chrysene	4800		ug/kg	110	19.	1
Acenaphthylene	79	J	ug/kg	140	28.	1
Anthracene	4600		ug/kg	110	35.	1
Benzo(ghi)perylene	2800		ug/kg	140	21.	1
Fluorene	2600		ug/kg	180	17.	1
Phenanthrene	9900	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	540		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3200		ug/kg	140	25.	1
Pyrene	7600	E	ug/kg	110	18.	1
Biphenyl	420		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	2000		ug/kg	180	17.	1
2-Methylnaphthalene	1500		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	62	J	ug/kg	260	28.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	1600		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	46		30-120
2,4,6-Tribromophenol	34		10-136
4-Terphenyl-d14	35		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 11:20
Analyst: AC
Percent Solids: 92%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.786	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.393	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.786	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.786	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.212	F	ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.786	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.786	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.786	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.786	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.786	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.501	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.393	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.393	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.393	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.393	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.982	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.91	0.496	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.91	1.73	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	52		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	53		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	49		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	55		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	52		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	48		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	51		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	46		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	48		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	44		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	51		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	43		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	55		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	42		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	44		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	54		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	44		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	54		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	37		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	33		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	52		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	39		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 D
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/21/23 05:46
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	1100	200	10
Phenanthrene	16000		ug/kg	1100	220	10
Pyrene	11000		ug/kg	1100	180	10

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/18/23 09:14
Analyst: MG
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	43	J	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	410		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	27	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	71.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: 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	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	160		ug/kg	130	24.	1
Benzo(a)pyrene	150	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	170		ug/kg	130	35.	1
Benzo(k)fluoranthene	49	J	ug/kg	130	34.	1
Chrysene	150		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	91	J	ug/kg	130	41.	1
Benzo(ghi)perylene	85	J	ug/kg	170	25.	1
Fluorene	52	J	ug/kg	210	20.	1
Phenanthrene	500		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	93	J	ug/kg	170	29.	1
Pyrene	330		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	27.	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	45	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		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	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: 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	36	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	40		30-120
2,4,6-Tribromophenol	35		10-136
4-Terphenyl-d14	35		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/27/23 11:33
Analyst: AC
Percent Solids: 77%

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.785	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.785	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.785	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.785	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.785	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.785	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.785	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.785	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.501	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.392	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.392	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.392	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.392	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.981	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.91	0.495	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.91	1.73	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	77		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	71		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	74		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	56		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	78		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	64		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/18/23 01:46
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06-07 Batch: WG1755777-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/18/23 01:46
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06-07 Batch: WG1755777-1					
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	21.
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/18/23 01:46
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06-07 Batch: WG1755777-1					
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	54		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	58		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/20/23 12:28
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 03/18/23 17:32

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 05 Batch: WG1756190-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	54		15-110

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/23 01:18
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/21/23 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1757219-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/23 01:18
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/21/23 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1757219-1					
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	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/23 01:18
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/21/23 17:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1757219-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	76		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 10:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1757656-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 10:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1757656-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 10:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1757656-1					
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	50		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	58		41-149

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/23/23 07:38
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1757657-1					
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	0.19	J	ug/l	0.80	0.01
Hexachlorobenzene	0.01	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/23/23 07:38
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/22/23 15:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1757657-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	**133**	Q	10-120
4-Terphenyl-d14	67		41-149

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 09:51
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG1758178-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 09:51
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG1758178-1					
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/27/23 09:51
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/23/23 18:20
Cleanup Method: EPA 1633
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG1758178-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	70		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	70		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	63		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	86		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	89		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	81		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	75		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	72		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 05 Batch: WG1760224-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 05 Batch: WG1760224-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 05 Batch: WG1760224-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06-07 Batch: WG1755777-2 WG1755777-3								
Acenaphthene	53		55		31-137	4		50
1,2,4-Trichlorobenzene	47		51		38-107	8		50
Hexachlorobenzene	49		52		40-140	6		50
Bis(2-chloroethyl)ether	44		48		40-140	9		50
2-Chloronaphthalene	49		52		40-140	6		50
1,2-Dichlorobenzene	46		53		40-140	14		50
1,3-Dichlorobenzene	47		53		40-140	12		50
1,4-Dichlorobenzene	47		53		28-104	12		50
3,3'-Dichlorobenzidine	45		44		40-140	2		50
2,4-Dinitrotoluene	53		56		40-132	6		50
2,6-Dinitrotoluene	48		51		40-140	6		50
Fluoranthene	53		56		40-140	6		50
4-Chlorophenyl phenyl ether	53		56		40-140	6		50
4-Bromophenyl phenyl ether	54		58		40-140	7		50
Bis(2-chloroisopropyl)ether	50		55		40-140	10		50
Bis(2-chloroethoxy)methane	43		46		40-117	7		50
Hexachlorobutadiene	50		53		40-140	6		50
Hexachlorocyclopentadiene	50		54		40-140	8		50
Hexachloroethane	45		51		40-140	13		50
Isophorone	42		45		40-140	7		50
Naphthalene	56		52		40-140	7		50
Nitrobenzene	42		46		40-140	9		50
NDPA/DPA	55		58		36-157	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06-07 Batch: WG1755777-2 WG1755777-3								
n-Nitrosodi-n-propylamine	42		46		32-121	9		50
Bis(2-ethylhexyl)phthalate	55		59		40-140	7		50
Butyl benzyl phthalate	50		52		40-140	4		50
Di-n-butylphthalate	53		56		40-140	6		50
Di-n-octylphthalate	54		57		40-140	5		50
Diethyl phthalate	52		55		40-140	6		50
Dimethyl phthalate	47		50		40-140	6		50
Benzo(a)anthracene	52		56		40-140	7		50
Benzo(a)pyrene	56		59		40-140	5		50
Benzo(b)fluoranthene	55		59		40-140	7		50
Benzo(k)fluoranthene	55		58		40-140	5		50
Chrysene	54		57		40-140	5		50
Acenaphthylene	48		50		40-140	4		50
Anthracene	54		58		40-140	7		50
Benzo(ghi)perylene	52		55		40-140	6		50
Fluorene	52		55		40-140	6		50
Phenanthrene	53		55		40-140	4		50
Dibenzo(a,h)anthracene	50		54		40-140	8		50
Indeno(1,2,3-cd)pyrene	56		61		40-140	9		50
Pyrene	53		55		35-142	4		50
Biphenyl	48		50		37-127	4		50
4-Chloroaniline	**32**	Q	**29**	Q	40-140	10		50
2-Nitroaniline	48		50		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06-07 Batch: WG1755777-2 WG1755777-3								
3-Nitroaniline	42		42		26-129	0		50
4-Nitroaniline	50		53		41-125	6		50
Dibenzofuran	51		54		40-140	6		50
2-Methylnaphthalene	52		52		40-140	0		50
1,2,4,5-Tetrachlorobenzene	51		54		40-117	6		50
Acetophenone	43		47		14-144	9		50
2,4,6-Trichlorophenol	53		55		30-130	4		50
p-Chloro-m-cresol	49		52		26-103	6		50
2-Chlorophenol	48		53		25-102	10		50
2,4-Dichlorophenol	49		53		30-130	8		50
2,4-Dimethylphenol	48		51		30-130	6		50
2-Nitrophenol	46		51		30-130	10		50
4-Nitrophenol	51		54		11-114	6		50
2,4-Dinitrophenol	35		39		4-130	11		50
4,6-Dinitro-o-cresol	53		56		10-130	6		50
Pentachlorophenol	41		44		17-109	7		50
Phenol	47		51		26-90	8		50
2-Methylphenol	46		50		30-130.	8		50
3-Methylphenol/4-Methylphenol	46		50		30-130	8		50
2,4,5-Trichlorophenol	52		55		30-130	6		50
Benzoic Acid	13		12		10-110	8		50
Benzyl Alcohol	44		47		40-140	7		50
Carbazole	**52**	Q	56		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06-07 Batch: WG1755777-2 WG1755777-3								
1,4-Dioxane	**34**	Q	**37**	Q	40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		55		25-120
Phenol-d6	47		52		10-120
Nitrobenzene-d5	45		51		23-120
2-Fluorobiphenyl	51		55		30-120
2,4,6-Tribromophenol	46		49		10-136
4-Terphenyl-d14	50		53		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 05 Batch: WG1756190-2 WG1756190-3								
1,4-Dioxane	109		111		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	54		55		15-110

Lab Control Sample Analysis
Batch Quality Control

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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: WG1757219-2 WG1757219-3								
Acenaphthene	55		58		31-137	5		50
1,2,4-Trichlorobenzene	55		60		38-107	9		50
Hexachlorobenzene	63		70		40-140	11		50
Bis(2-chloroethyl)ether	46		50		40-140	8		50
2-Chloronaphthalene	56		64		40-140	13		50
1,2-Dichlorobenzene	51		56		40-140	9		50
1,3-Dichlorobenzene	52		55		40-140	6		50
1,4-Dichlorobenzene	52		56		28-104	7		50
3,3'-Dichlorobenzidine	56		53		40-140	6		50
2,4-Dinitrotoluene	58		62		40-132	7		50
2,6-Dinitrotoluene	61		64		40-140	5		50
Fluoranthene	59		68		40-140	14		50
4-Chlorophenyl phenyl ether	61		67		40-140	9		50
4-Bromophenyl phenyl ether	63		66		40-140	5		50
Bis(2-chloroisopropyl)ether	**33**	Q	45		40-140	31		50
Bis(2-chloroethoxy)methane	43		54		40-117	23		50
Hexachlorobutadiene	61		69		40-140	12		50
Hexachlorocyclopentadiene	58		66		40-140	13		50
Hexachloroethane	49		55		40-140	12		50
Isophorone	46		55		40-140	18		50
Naphthalene	54		57		40-140	5		50
Nitrobenzene	46		52		40-140	12		50
NDPA/DPA	60		61		36-157	2		50

Lab Control Sample Analysis

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Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

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: WG1757219-2 WG1757219-3								
n-Nitrosodi-n-propylamine	43		49		32-121	13		50
Bis(2-ethylhexyl)phthalate	55		66		40-140	18		50
Butyl benzyl phthalate	64		63		40-140	2		50
Di-n-butylphthalate	58		67		40-140	14		50
Di-n-octylphthalate	56		65		40-140	15		50
Diethyl phthalate	61		68		40-140	11		50
Dimethyl phthalate	58		59		40-140	2		50
Benzo(a)anthracene	57		61		40-140	7		50
Benzo(a)pyrene	74		73		40-140	1		50
Benzo(b)fluoranthene	58		74		40-140	24		50
Benzo(k)fluoranthene	67		68		40-140	1		50
Chrysene	56		64		40-140	13		50
Acenaphthylene	62		65		40-140	5		50
Anthracene	59		62		40-140	5		50
Benzo(ghi)perylene	57		70		40-140	20		50
Fluorene	60		66		40-140	10		50
Phenanthrene	57		56		40-140	2		50
Dibenzo(a,h)anthracene	54		65		40-140	18		50
Indeno(1,2,3-cd)pyrene	55		66		40-140	18		50
Pyrene	60		68		35-142	13		50
Biphenyl	55		63		37-127	14		50
4-Chloroaniline	52		48		40-140	8		50
2-Nitroaniline	59		62		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
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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: WG1757219-2 WG1757219-3								
3-Nitroaniline	60		51		26-129	16		50
4-Nitroaniline	63		69		41-125	9		50
Dibenzofuran	59		60		40-140	2		50
2-Methylnaphthalene	56		58		40-140	4		50
1,2,4,5-Tetrachlorobenzene	64		72		40-117	12		50
Acetophenone	49		61		14-144	22		50
2,4,6-Trichlorophenol	64		67		30-130	5		50
p-Chloro-m-cresol	60		66		26-103	10		50
2-Chlorophenol	56		61		25-102	9		50
2,4-Dichlorophenol	57		63		30-130	10		50
2,4-Dimethylphenol	49		63		30-130	25		50
2-Nitrophenol	49		63		30-130	25		50
4-Nitrophenol	65		66		11-114	2		50
2,4-Dinitrophenol	48		48		4-130	0		50
4,6-Dinitro-o-cresol	64		69		10-130	8		50
Pentachlorophenol	57		68		17-109	18		50
Phenol	47		53		26-90	12		50
2-Methylphenol	46		62		30-130.	30		50
3-Methylphenol/4-Methylphenol	50		58		30-130	15		50
2,4,5-Trichlorophenol	66		70		30-130	6		50
Benzoic Acid	26		27		10-110	4		50
Benzyl Alcohol	44		50		40-140	13		50
Carbazole	59		60		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

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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: WG1757219-2 WG1757219-3								
1,4-Dioxane	**35**	Q	44		40-140	23		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		71		25-120
Phenol-d6	54		60		10-120
Nitrobenzene-d5	47		52		23-120
2-Fluorobiphenyl	58		65		30-120
2,4,6-Tribromophenol	79		84		10-136
4-Terphenyl-d14	62		67		18-120

Lab Control Sample Analysis

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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: WG1757656-2 WG1757656-3								
Acenaphthene	62		67		37-111	8		30
1,2,4-Trichlorobenzene	60		62		39-98	3		30
Hexachlorobenzene	58		63		40-140	8		30
Bis(2-chloroethyl)ether	65		69		40-140	6		30
2-Chloronaphthalene	60		63		40-140	5		30
1,2-Dichlorobenzene	59		61		40-140	3		30
1,3-Dichlorobenzene	56		60		40-140	7		30
1,4-Dichlorobenzene	58		61		36-97	5		30
3,3'-Dichlorobenzidine	51		62		40-140	19		30
2,4-Dinitrotoluene	75		82		48-143	9		30
2,6-Dinitrotoluene	70		74		40-140	6		30
Fluoranthene	67		74		40-140	10		30
4-Chlorophenyl phenyl ether	61		66		40-140	8		30
4-Bromophenyl phenyl ether	59		66		40-140	11		30
Bis(2-chloroisopropyl)ether	67		71		40-140	6		30
Bis(2-chloroethoxy)methane	65		67		40-140	3		30
Hexachlorobutadiene	57		60		40-140	5		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Hexachloroethane	63		65		40-140	3		30
Isophorone	66		68		40-140	3		30
Naphthalene	60		66		40-140	10		30
Nitrobenzene	70		73		40-140	4		30
NDPA/DPA	63		70		40-140	11		30

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

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: WG1757656-2 WG1757656-3								
n-Nitrosodi-n-propylamine	65		68		29-132	5		30
Bis(2-ethylhexyl)phthalate	81		91		40-140	12		30
Butyl benzyl phthalate	99		110		40-140	11		30
Di-n-butylphthalate	76		89		40-140	16		30
Di-n-octylphthalate	85		94		40-140	10		30
Diethyl phthalate	71		78		40-140	9		30
Dimethyl phthalate	67		72		40-140	7		30
Benzo(a)anthracene	69		76		40-140	10		30
Benzo(a)pyrene	66		75		40-140	13		30
Benzo(b)fluoranthene	66		75		40-140	13		30
Benzo(k)fluoranthene	70		78		40-140	11		30
Chrysene	61		67		40-140	9		30
Acenaphthylene	64		69		45-123	8		30
Anthracene	67		74		40-140	10		30
Benzo(ghi)perylene	73		82		40-140	12		30
Fluorene	65		69		40-140	6		30
Phenanthrene	65		70		40-140	7		30
Dibenzo(a,h)anthracene	75		82		40-140	9		30
Indeno(1,2,3-cd)pyrene	86		95		40-140	10		30
Pyrene	64		70		26-127	9		30
Biphenyl	59		62		40-140	5		30
4-Chloroaniline	50		58		40-140	15		30
2-Nitroaniline	82		86		52-143	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

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: WG1757656-2 WG1757656-3								
3-Nitroaniline	65		74		25-145	13		30
4-Nitroaniline	69		77		51-143	11		30
Dibenzofuran	63		67		40-140	6		30
2-Methylnaphthalene	61		64		40-140	5		30
1,2,4,5-Tetrachlorobenzene	55		58		2-134	5		30
Acetophenone	66		68		39-129	3		30
2,4,6-Trichlorophenol	76		80		30-130	5		30
p-Chloro-m-cresol	74		80		23-97	8		30
2-Chlorophenol	68		72		27-123	6		30
2,4-Dichlorophenol	71		75		30-130	5		30
2,4-Dimethylphenol	61		64		30-130	5		30
2-Nitrophenol	100		103		30-130	3		30
4-Nitrophenol	80		**85**	Q	10-80	6		30
2,4-Dinitrophenol	108		115		20-130	6		30
4,6-Dinitro-o-cresol	107		118		20-164	10		30
Pentachlorophenol	75		84		9-103	11		30
Phenol	49		52		12-110	6		30
2-Methylphenol	64		67		30-130	5		30
3-Methylphenol/4-Methylphenol	70		72		30-130	3		30
2,4,5-Trichlorophenol	72		78		30-130	8		30
Benzoic Acid	86		86		10-164	0		30
Benzyl Alcohol	69		72		26-116	4		30
Carbazole	70		75		55-144	7		30

Lab Control Sample Analysis
Batch Quality Control

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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: WG1757656-2 WG1757656-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		58		21-120
Phenol-d6	45		46		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	57		61		15-120
2,4,6-Tribromophenol	80		88		10-120
4-Terphenyl-d14	59		67		41-149

Lab Control Sample Analysis
Batch Quality Control

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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: WG1757657-2 WG1757657-3								
Acenaphthene	72		71		40-140	1		40
2-Chloronaphthalene	72		67		40-140	7		40
Fluoranthene	78		79		40-140	1		40
Hexachlorobutadiene	78		71		40-140	9		40
Naphthalene	69		66		40-140	4		40
Benzo(a)anthracene	84		84		40-140	0		40
Benzo(a)pyrene	85		85		40-140	0		40
Benzo(b)fluoranthene	87		90		40-140	3		40
Benzo(k)fluoranthene	81		81		40-140	0		40
Chrysene	81		84		40-140	4		40
Acenaphthylene	78		72		40-140	8		40
Anthracene	80		80		40-140	0		40
Benzo(ghi)perylene	88		90		40-140	2		40
Fluorene	76		76		40-140	0		40
Phenanthrene	78		78		40-140	0		40
Dibenzo(a,h)anthracene	94		96		40-140	2		40
Indeno(1,2,3-cd)pyrene	95		97		40-140	2		40
Pyrene	76		78		40-140	3		40
2-Methylnaphthalene	69		64		40-140	8		40
Pentachlorophenol	139		139		40-140	0		40
Hexachlorobenzene	98		96		40-140	2		40
Hexachloroethane	75		73		40-140	3		40

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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: WG1757657-2 WG1757657-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		62		21-120
Phenol-d6	54		54		10-120
Nitrobenzene-d5	111		111		23-120
2-Fluorobiphenyl	70		66		15-120
2,4,6-Tribromophenol	**156**	Q	**158**	Q	10-120
4-Terphenyl-d14	70		71		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
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Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	96		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	81		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	85		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	93		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	100		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	91		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	80		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	82		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	72		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	92		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	89		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	89		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	62		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	97		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	87		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	88		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	102		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	92		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	87		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	99		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	76		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	78		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	88				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	75				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	81				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	63				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	56				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	45				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	60				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-3								
Perfluorobutanoic Acid (PFBA)	98		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	95		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	97		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	107		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	96		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	108		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	93		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	111		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	95		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	89		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	87		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-3								
Perfluorotridecanoic Acid (PFTrDA)	81		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	114		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	101		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	95		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	67		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	109		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	92		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	101		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	99		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	104		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	95		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	94		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	95		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	125		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	97		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	85		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	89		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1758178-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	80				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	79				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	81				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	77				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	78				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	55				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	44				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	59				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	102		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	85		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	85		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	83		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	80		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	88		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	82		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	94		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	106		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	101		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	80		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	91		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	106		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	91		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	101		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	122		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	64		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	71				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	52				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	60				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-3								
Perfluorobutanoic Acid (PFBA)	107		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	102		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-3								
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	107		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	94		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	123		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	114		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	105		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	118		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	103		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	108		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	137		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	106		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	141		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	86		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05 Batch: WG1760224-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	66				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	97				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	55				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	59				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67				20-150

PCBS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 02:49
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.56	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	16.6	JP	ug/kg	35.6	3.90	1	B
Aroclor 1260	12.2	J	ug/kg	35.6	6.59	1	A
Aroclor 1262	ND		ug/kg	35.6	4.53	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	28.8	J	ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 02:56
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	3.31	1	A
Aroclor 1221	ND		ug/kg	37.2	3.73	1	A
Aroclor 1232	ND		ug/kg	37.2	7.89	1	A
Aroclor 1242	ND		ug/kg	37.2	5.02	1	A
Aroclor 1248	ND		ug/kg	37.2	5.58	1	A
Aroclor 1254	ND		ug/kg	37.2	4.07	1	A
Aroclor 1260	ND		ug/kg	37.2	6.88	1	A
Aroclor 1262	ND		ug/kg	37.2	4.73	1	A
Aroclor 1268	ND		ug/kg	37.2	3.86	1	A
PCBs, Total	ND		ug/kg	37.2	3.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 03:03
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.00	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.79	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 03:11
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	10.2	J	ug/kg	34.6	3.78	1	B
Aroclor 1260	10.9	J	ug/kg	34.6	6.39	1	A
Aroclor 1262	ND		ug/kg	34.6	4.39	1	A
Aroclor 1268	ND		ug/kg	34.6	3.58	1	A
PCBs, Total	21.1	J	ug/kg	34.6	3.07	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/21/23 10:55
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 03/20/23 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 03:18
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.19	1	A
Aroclor 1221	ND		ug/kg	35.9	3.60	1	A
Aroclor 1232	ND		ug/kg	35.9	7.61	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.38	1	A
Aroclor 1254	ND		ug/kg	35.9	3.92	1	A
Aroclor 1260	ND		ug/kg	35.9	6.63	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	ND		ug/kg	35.9	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/18/23 03:26
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.3	3.75	1	A
Aroclor 1221	ND		ug/kg	42.3	4.24	1	A
Aroclor 1232	ND		ug/kg	42.3	8.96	1	A
Aroclor 1242	ND		ug/kg	42.3	5.70	1	A
Aroclor 1248	ND		ug/kg	42.3	6.34	1	A
Aroclor 1254	ND		ug/kg	42.3	4.62	1	A
Aroclor 1260	ND		ug/kg	42.3	7.81	1	A
Aroclor 1262	ND		ug/kg	42.3	5.37	1	A
Aroclor 1268	ND		ug/kg	42.3	4.38	1	A
PCBs, Total	ND		ug/kg	42.3	3.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/18/23 03:41
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/17/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 03/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1755767-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.84	A
Aroclor 1242	ND		ug/kg	32.2	4.35	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.10	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/21/23 08:53
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 03/20/23 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1756765-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1755767-2 WG1755767-3									
Aroclor 1016	83		79		40-140	5		50	A
Aroclor 1260	71		70		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150	A
Decachlorobiphenyl	81		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		90		30-150	B
Decachlorobiphenyl	74		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

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: WG1756765-2 WG1756765-3									
Aroclor 1016	84		95		40-140	12		50	A
Aroclor 1260	77		83		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	A
Decachlorobiphenyl	95		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		79		30-150	B
Decachlorobiphenyl	99		97		30-150	B

PESTICIDES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 11:17
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.688	0.307	1	A
Alpha-BHC	ND		ug/kg	0.688	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.626	1	A
Heptachlor	ND		ug/kg	0.825	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.581	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.928	1	A
Endrin	ND		ug/kg	0.688	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.516	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.589	1	A
4,4'-DDT	ND		ug/kg	1.65	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.552	1	A
Endosulfan sulfate	ND		ug/kg	0.688	0.327	1	A
Methoxychlor	ND		ug/kg	3.10	0.963	1	A
Toxaphene	ND		ug/kg	31.0	8.67	1	A
cis-Chlordane	ND		ug/kg	2.06	0.575	1	A
trans-Chlordane	ND		ug/kg	2.06	0.545	1	A
Chlordane	ND		ug/kg	13.8	5.47	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 10:54
Analyst: MMG
Percent Solids: 91%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

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	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	56		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 11:28
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.690	1	A
Heptachlor	ND		ug/kg	0.910	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.758	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.796	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.649	1	A
4,4'-DDT	ND		ug/kg	1.82	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.55	1	A
cis-Chlordane	ND		ug/kg	2.27	0.634	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	15.2	6.03	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: 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	74		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	**349**	Q	30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 11:13
Analyst: MMG
Percent Solids: 87%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	5.86	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	5.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	54		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 11:39
Analyst: AKM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	B
Lindane	ND		ug/kg	0.791	0.354	1	B
Alpha-BHC	ND		ug/kg	0.791	0.224	1	B
Beta-BHC	ND		ug/kg	1.90	0.720	1	B
Heptachlor	ND		ug/kg	0.949	0.425	1	B
Aldrin	ND		ug/kg	1.90	0.668	1	B
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	B
Endrin	ND		ug/kg	0.791	0.324	1	B
Endrin aldehyde	ND		ug/kg	2.37	0.830	1	B
Endrin ketone	ND		ug/kg	1.90	0.489	1	B
Dieldrin	ND		ug/kg	1.19	0.593	1	B
4,4'-DDE	ND		ug/kg	1.90	0.439	1	B
4,4'-DDD	ND		ug/kg	1.90	0.677	1	B
4,4'-DDT	ND		ug/kg	1.90	1.53	1	B
Endosulfan I	ND		ug/kg	1.90	0.448	1	B
Endosulfan II	ND		ug/kg	1.90	0.634	1	B
Endosulfan sulfate	ND		ug/kg	0.791	0.376	1	B
Methoxychlor	ND		ug/kg	3.56	1.11	1	B
Toxaphene	ND		ug/kg	35.6	9.96	1	B
cis-Chlordane	ND		ug/kg	2.37	0.661	1	B
trans-Chlordane	ND		ug/kg	2.37	0.626	1	B
Chlordane	ND		ug/kg	15.8	6.29	1	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	96		30-150	A
Decachlorobiphenyl	**1**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 11:31
Analyst: MMG
Percent Solids: 83%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.02	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	61		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 11:50
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

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	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.966	1	A
Endrin	ND		ug/kg	0.716	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	1.72	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	ND		ug/kg	2.15	0.598	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.3	5.69	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	77		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	**157**	Q	30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 11:49
Analyst: MMG
Percent Solids: 91%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.64	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	56		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/21/23 14:04
Analyst: MSF

Extraction Method: EPA 3510C
Extraction Date: 03/20/23 22:14

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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: 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	73		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 03/19/23 11:27
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 14:03

Methylation Date: 03/18/23 22:00

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	75		30-150	A
DCAA	67		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 12:01
Analyst: AKM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	91		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	**402**	Q	30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 12:08
Analyst: MMG
Percent Solids: 92%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.46	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	49		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/19/23 12:12
Analyst: AKM
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.04	0.400	1	A
Lindane	ND		ug/kg	0.851	0.380	1	A
Alpha-BHC	ND		ug/kg	0.851	0.242	1	A
Beta-BHC	ND		ug/kg	2.04	0.774	1	A
Heptachlor	ND		ug/kg	1.02	0.458	1	A
Aldrin	ND		ug/kg	2.04	0.719	1	A
Heptachlor epoxide	ND		ug/kg	3.83	1.15	1	A
Endrin	ND		ug/kg	0.851	0.349	1	A
Endrin aldehyde	ND		ug/kg	2.55	0.894	1	A
Endrin ketone	ND		ug/kg	2.04	0.526	1	A
Dieldrin	ND		ug/kg	1.28	0.638	1	A
4,4'-DDE	ND		ug/kg	2.04	0.472	1	A
4,4'-DDD	ND		ug/kg	2.04	0.728	1	A
4,4'-DDT	ND		ug/kg	2.04	1.64	1	A
Endosulfan I	ND		ug/kg	2.04	0.482	1	A
Endosulfan II	ND		ug/kg	2.04	0.682	1	A
Endosulfan sulfate	ND		ug/kg	0.851	0.405	1	A
Methoxychlor	ND		ug/kg	3.83	1.19	1	A
Toxaphene	ND		ug/kg	38.3	10.7	1	A
cis-Chlordane	ND		ug/kg	2.55	0.711	1	A
trans-Chlordane	ND		ug/kg	2.55	0.674	1	A
Chlordane	ND		ug/kg	17.0	6.77	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: 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	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/23 12:26
Analyst: MMG
Percent Solids: 77%
Methylation Date: 03/18/23 22:15

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	13.3	1	A
2,4,5-T	ND		ug/kg	212	6.56	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	60		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/18/23 14:17
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1755756-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Heptachlor	ND		ug/kg	0.798	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin aldehyde	ND		ug/kg	2.00	0.699	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.998	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	1.60	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.665	0.317	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
cis-Chlordane	ND		ug/kg	2.00	0.556	A
trans-Chlordane	ND		ug/kg	2.00	0.527	A
Chlordane	ND		ug/kg	13.3	5.29	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/18/23 14:17
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 03/17/23 09:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1755756-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/23 10:13
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 14:03

Methylation Date: 03/18/23 22:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 05 Batch: WG1755874-1						
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	78		30-150	A
DCAA	71		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/23 09:04
Analyst: MMG

Extraction Method: EPA 8151A
Extraction Date: 03/17/23 15:27

Methylation Date: 03/18/23 22:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1755901-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	48		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/21/23 13:32
Analyst: MSF

Extraction Method: EPA 3510C
Extraction Date: 03/20/23 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1756775-1						
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/21/23 13:32
Analyst: MSF

Extraction Method: EPA 3510C
Extraction Date: 03/20/23 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1756775-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1755756-2 WG1755756-3									
Delta-BHC	84		90		30-150	7		30	A
Lindane	81		87		30-150	7		30	A
Alpha-BHC	84		91		30-150	8		30	A
Beta-BHC	84		91		30-150	8		30	A
Heptachlor	80		87		30-150	8		30	A
Aldrin	78		83		30-150	6		30	A
Heptachlor epoxide	74		80		30-150	8		30	A
Endrin	80		85		30-150	6		30	A
Endrin aldehyde	60		64		30-150	6		30	A
Endrin ketone	76		84		30-150	10		30	A
Dieldrin	85		90		30-150	6		30	A
4,4'-DDE	78		83		30-150	6		30	A
4,4'-DDD	85		90		30-150	6		30	A
4,4'-DDT	80		86		30-150	7		30	A
Endosulfan I	75		81		30-150	8		30	A
Endosulfan II	80		85		30-150	6		30	A
Endosulfan sulfate	58		67		30-150	14		30	A
Methoxychlor	79		84		30-150	6		30	A
cis-Chlordane	76		80		30-150	5		30	A
trans-Chlordane	83		89		30-150	7		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1755756-2 WG1755756-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		79		30-150	A
Decachlorobiphenyl	83		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		81		30-150	B
Decachlorobiphenyl	89		93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

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: WG1755874-2 WG1755874-3									
2,4-D	83		85		30-150	2		25	A
2,4,5-T	87		89		30-150	2		25	A
2,4,5-TP (Silvex)	82		85		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		83		30-150	A
DCAA	79		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1755901-2 WG1755901-3									
2,4-D	96		78		30-150	21		30	A
2,4,5-T	100		80		30-150	22		30	A
2,4,5-TP (Silvex)	101		81		30-150	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	92		74		30-150	A
DCAA	71		59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1756775-2 WG1756775-3									
Delta-BHC	83		88		30-150	6		20	A
Lindane	91		97		30-150	6		20	A
Alpha-BHC	101		104		30-150	3		20	A
Beta-BHC	99		101		30-150	2		20	A
Heptachlor	90		92		30-150	2		20	A
Aldrin	81		83		30-150	3		20	A
Heptachlor epoxide	87		91		30-150	4		20	A
Endrin	85		91		30-150	8		20	A
Endrin aldehyde	69		74		30-150	6		20	A
Endrin ketone	94		103		30-150	9		20	A
Dieldrin	91		98		30-150	7		20	A
4,4'-DDE	83		89		30-150	7		20	A
4,4'-DDD	92		100		30-150	8		20	A
4,4'-DDT	90		95		30-150	6		20	A
Endosulfan I	84		89		30-150	6		20	A
Endosulfan II	89		96		30-150	7		20	A
Endosulfan sulfate	83		90		30-150	8		20	A
Methoxychlor	91		100		30-150	9		20	A
cis-Chlordane	86		89		30-150	3		20	A
trans-Chlordane	96		100		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1756775-2 WG1756775-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		91		30-150	A
Decachlorobiphenyl	94		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		93		30-150	B
Decachlorobiphenyl	92		100		30-150	B

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01 Date Collected: 03/16/23 11:00

Client ID: PH1_SB23_0-2 Date Received: 03/16/23

Sample Location: 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	5490		mg/kg	8.50	2.30	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Antimony, Total	1.21	J	mg/kg	4.25	0.323	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Arsenic, Total	3.73		mg/kg	0.850	0.177	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Barium, Total	68.8		mg/kg	0.850	0.148	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.235	J	mg/kg	0.425	0.028	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Cadmium, Total	0.192	J	mg/kg	0.850	0.083	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Calcium, Total	19700		mg/kg	8.50	2.98	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Chromium, Total	13.3		mg/kg	0.850	0.082	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Cobalt, Total	4.22		mg/kg	1.70	0.141	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Copper, Total	35.5		mg/kg	0.850	0.219	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Iron, Total	9900		mg/kg	4.25	0.768	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Lead, Total	333		mg/kg	4.25	0.228	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Magnesium, Total	3280		mg/kg	8.50	1.31	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Manganese, Total	220		mg/kg	0.850	0.135	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Mercury, Total	0.155		mg/kg	0.083	0.054	1	03/21/23 13:05	03/21/23 19:09	EPA 7471B	1,7471B	DJR
Nickel, Total	13.4		mg/kg	2.12	0.206	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Potassium, Total	951		mg/kg	212	12.2	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Selenium, Total	ND		mg/kg	1.70	0.219	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.425	0.241	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Sodium, Total	285		mg/kg	170	2.68	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Thallium, Total	ND		mg/kg	1.70	0.268	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Vanadium, Total	17.6		mg/kg	0.850	0.173	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
Zinc, Total	68.6		mg/kg	4.25	0.249	2	03/21/23 12:04	03/21/23 21:55	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12.9	J	mg/kg	0.878	0.878	1		03/21/23 21:55	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02 Date Collected: 03/16/23 11:05

Client ID: PH1_SB23_4-6 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8380		mg/kg	9.12	2.46	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Antimony, Total	2.12	J	mg/kg	4.56	0.346	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Arsenic, Total	7.25		mg/kg	0.912	0.190	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Barium, Total	95.3		mg/kg	0.912	0.159	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.283	J	mg/kg	0.456	0.030	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Cadmium, Total	ND		mg/kg	0.912	0.089	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Calcium, Total	11600		mg/kg	9.12	3.19	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Chromium, Total	17.2		mg/kg	0.912	0.088	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Cobalt, Total	7.66		mg/kg	1.82	0.151	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Copper, Total	37.2		mg/kg	0.912	0.235	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Iron, Total	31200		mg/kg	4.56	0.823	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Lead, Total	147		mg/kg	4.56	0.244	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Magnesium, Total	5700		mg/kg	9.12	1.40	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Manganese, Total	345		mg/kg	0.912	0.145	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Mercury, Total	0.858		mg/kg	0.090	0.059	1	03/21/23 13:05	03/21/23 19:12	EPA 7471B	1,7471B	DJR
Nickel, Total	17.4		mg/kg	2.28	0.221	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Potassium, Total	2200		mg/kg	228	13.1	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Selenium, Total	1.34	J	mg/kg	1.82	0.235	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.456	0.258	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Sodium, Total	174	J	mg/kg	182	2.87	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Thallium, Total	0.395	J	mg/kg	1.82	0.287	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Vanadium, Total	19.8		mg/kg	0.912	0.185	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
Zinc, Total	161		mg/kg	4.56	0.267	2	03/21/23 12:04	03/21/23 22:00	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16.8	J	mg/kg	0.923	0.923	1		03/21/23 22:00	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03 Date Collected: 03/16/23 11:10

Client ID: PH1_SB23_14-16 Date Received: 03/16/23

Sample Location: 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	9940		mg/kg	9.23	2.49	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Antimony, Total	1.07	J	mg/kg	4.62	0.351	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Arsenic, Total	3.48		mg/kg	0.923	0.192	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Barium, Total	62.0		mg/kg	0.923	0.161	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.469		mg/kg	0.462	0.031	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Cadmium, Total	ND		mg/kg	0.923	0.091	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Calcium, Total	5100		mg/kg	9.23	3.23	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Chromium, Total	13.2		mg/kg	0.923	0.089	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Cobalt, Total	5.26		mg/kg	1.85	0.153	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Copper, Total	19.1		mg/kg	0.923	0.238	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Iron, Total	12800		mg/kg	4.62	0.834	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Lead, Total	90.5		mg/kg	4.62	0.247	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Magnesium, Total	2170		mg/kg	9.23	1.42	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Manganese, Total	311		mg/kg	0.923	0.147	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Mercury, Total	0.235		mg/kg	0.086	0.056	1	03/21/23 13:05	03/21/23 19:16	EPA 7471B	1,7471B	DJR
Nickel, Total	10.8		mg/kg	2.31	0.223	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Potassium, Total	517		mg/kg	231	13.3	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Selenium, Total	0.299	J	mg/kg	1.85	0.238	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.462	0.261	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Sodium, Total	168	J	mg/kg	185	2.91	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Thallium, Total	ND		mg/kg	1.85	0.291	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Vanadium, Total	19.1		mg/kg	0.923	0.187	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
Zinc, Total	1110		mg/kg	4.62	0.270	2	03/21/23 12:04	03/21/23 22:05	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13.2		mg/kg	0.960	0.960	1		03/21/23 22:05	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04 Date Collected: 03/16/23 00:00

Client ID: PH1_SODUP01_031623 Date Received: 03/16/23

Sample Location: 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	6590		mg/kg	8.83	2.38	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Antimony, Total	2.86	J	mg/kg	4.42	0.336	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Arsenic, Total	2.73		mg/kg	0.883	0.184	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Barium, Total	59.3		mg/kg	0.883	0.154	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.258	J	mg/kg	0.442	0.029	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Cadmium, Total	ND		mg/kg	0.883	0.087	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Calcium, Total	10800		mg/kg	8.83	3.09	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Chromium, Total	12.2		mg/kg	0.883	0.085	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Cobalt, Total	4.53		mg/kg	1.77	0.146	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Copper, Total	16.7		mg/kg	0.883	0.228	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Iron, Total	11000		mg/kg	4.42	0.797	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Lead, Total	151		mg/kg	4.42	0.237	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Magnesium, Total	3040		mg/kg	8.83	1.36	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Manganese, Total	236		mg/kg	0.883	0.140	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Mercury, Total	0.110		mg/kg	0.070	0.046	1	03/21/23 13:05	03/21/23 19:26	EPA 7471B	1,7471B	DJR
Nickel, Total	11.2		mg/kg	2.21	0.214	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Potassium, Total	996		mg/kg	221	12.7	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Selenium, Total	ND		mg/kg	1.77	0.228	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.442	0.250	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Sodium, Total	231		mg/kg	177	2.78	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Thallium, Total	ND		mg/kg	1.77	0.278	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Vanadium, Total	16.6		mg/kg	0.883	0.179	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
Zinc, Total	48.8		mg/kg	4.42	0.259	2	03/21/23 12:04	03/21/23 22:10	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11.8	J	mg/kg	0.883	0.883	1		03/21/23 22:10	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05 Date Collected: 03/16/23 09:00

Client ID: PH1_FB02_031623 Date Received: 03/16/23

Sample Location: 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	0.0100	0.00327	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/20/23 12:20	03/20/23 17:18	EPA 7470A	1,7470A	ZNK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Thallium, Total	0.00020	J	mg/l	0.00100	0.00014	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/20/23 09:59	03/20/23 22:57	EPA 3005A	1,6020B	NTB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		03/20/23 22:57	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06 Date Collected: 03/16/23 14:00

Client ID: PH1_SB21_6-8 Date Received: 03/16/23

Sample Location: 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	4890		mg/kg	8.57	2.31	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Antimony, Total	2.48	J	mg/kg	4.28	0.326	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Arsenic, Total	6.11		mg/kg	0.857	0.178	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Barium, Total	209		mg/kg	0.857	0.149	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.130	J	mg/kg	0.428	0.028	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Cadmium, Total	0.094	J	mg/kg	0.857	0.084	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Calcium, Total	41400		mg/kg	8.57	3.00	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Chromium, Total	11.4		mg/kg	0.857	0.082	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Cobalt, Total	4.52		mg/kg	1.71	0.142	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Copper, Total	158		mg/kg	0.857	0.221	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Iron, Total	15800		mg/kg	4.28	0.774	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Lead, Total	514		mg/kg	4.28	0.230	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Magnesium, Total	2820		mg/kg	8.57	1.32	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Manganese, Total	188		mg/kg	0.857	0.136	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Mercury, Total	0.511		mg/kg	0.080	0.052	1	03/21/23 13:05	03/21/23 19:29	EPA 7471B	1,7471B	DJR
Nickel, Total	12.0		mg/kg	2.14	0.207	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Potassium, Total	1790		mg/kg	214	12.3	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Selenium, Total	0.421	J	mg/kg	1.71	0.221	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.428	0.242	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Sodium, Total	338		mg/kg	171	2.70	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Thallium, Total	0.461	J	mg/kg	1.71	0.270	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Vanadium, Total	16.2		mg/kg	0.857	0.174	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
Zinc, Total	207		mg/kg	4.28	0.251	2	03/21/23 12:04	03/21/23 22:15	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11.4		mg/kg	0.866	0.866	1		03/21/23 22:15	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07 Date Collected: 03/16/23 14:05

Client ID: PH1_SB21_16-18 Date Received: 03/16/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5280		mg/kg	10.3	2.78	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Antimony, Total	0.527	J	mg/kg	5.16	0.392	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Arsenic, Total	1.96		mg/kg	1.03	0.214	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Barium, Total	37.7		mg/kg	1.03	0.179	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Beryllium, Total	0.238	J	mg/kg	0.516	0.034	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Cadmium, Total	ND		mg/kg	1.03	0.101	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Calcium, Total	458		mg/kg	10.3	3.61	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Chromium, Total	7.57		mg/kg	1.03	0.099	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Cobalt, Total	5.64		mg/kg	2.06	0.171	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Copper, Total	7.91		mg/kg	1.03	0.266	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Iron, Total	11400		mg/kg	25.8	4.66	10	03/21/23 12:04	03/22/23 13:13	EPA 3050B	1,6010D	JMF
Lead, Total	4.15	J	mg/kg	5.16	0.276	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Magnesium, Total	1960		mg/kg	10.3	1.59	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Manganese, Total	129		mg/kg	1.03	0.164	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Mercury, Total	ND		mg/kg	0.105	0.069	1	03/21/23 13:05	03/21/23 19:32	EPA 7471B	1,7471B	DJR
Nickel, Total	8.08		mg/kg	2.58	0.250	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Potassium, Total	517		mg/kg	258	14.8	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Selenium, Total	ND		mg/kg	2.06	0.266	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.516	0.292	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Sodium, Total	99.3	J	mg/kg	206	3.25	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Thallium, Total	ND		mg/kg	2.06	0.325	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Vanadium, Total	9.64		mg/kg	1.03	0.209	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
Zinc, Total	21.0		mg/kg	5.16	0.302	2	03/21/23 12:04	03/21/23 23:31	EPA 3050B	1,6010D	GCL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.27	J	mg/kg	1.04	1.04	1		03/21/23 23:31	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

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): 01-04,06-07 Batch: WG1756333-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Barium, Total	ND		mg/kg	0.400	0.070	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/21/23 12:04	03/22/23 08:38	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Copper, Total	ND		mg/kg	0.400	0.103	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Iron, Total	ND		mg/kg	2.00	0.361	1	03/21/23 12:04	03/22/23 08:38	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Potassium, Total	ND		mg/kg	100	5.76	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Silver, Total	ND		mg/kg	0.200	0.113	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/21/23 12:04	03/21/23 19:17	1,6010D	AMW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04,06-07 Batch: WG1756335-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/21/23 13:05	03/21/23 18:16	1,7471B	DJR

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1756513-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Thallium, Total	0.00026	J	mg/l	0.00100	0.00014	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/20/23 09:59	03/20/23 21:48	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

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: WG1756514-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/20/23 12:20	03/20/23 16:28	1,7470A	ZNK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1756333-2 SRM Lot Number: D116-540								
Aluminum, Total	76		-		45-155	-		
Antimony, Total	169		-		2-205	-		
Arsenic, Total	96		-		82-119	-		
Barium, Total	83		-		82-118	-		
Beryllium, Total	93		-		82-118	-		
Cadmium, Total	95		-		82-118	-		
Calcium, Total	94		-		81-119	-		
Chromium, Total	89		-		81-118	-		
Cobalt, Total	92		-		83-117	-		
Copper, Total	94		-		83-117	-		
Iron, Total	89		-		58-142	-		
Lead, Total	88		-		83-117	-		
Magnesium, Total	86		-		75-125	-		
Manganese, Total	89		-		82-118	-		
Nickel, Total	94		-		82-118	-		
Potassium, Total	87		-		68-131	-		
Selenium, Total	96		-		78-122	-		
Silver, Total	92		-		79-121	-		
Sodium, Total	92		-		71-130	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	89		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1756333-2 SRM Lot Number: D116-540					
Zinc, Total	93	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 Batch: WG1756335-2 SRM Lot Number: D116-540					
Mercury, Total	95	-	58-142	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1756513-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	93	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	84	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	109	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	91	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	81	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1756513-2					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1756514-2					
Mercury, Total	104	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756333-3 QC Sample: L2313647-05 Client ID: MS Sample												
Aluminum, Total	6950	178	8950	**1120**	Q	-	-		75-125	-		20
Antimony, Total	3.79	44.5	49.3	102		-	-		75-125	-		20
Arsenic, Total	23.5	10.7	28.3	**45**	Q	-	-		75-125	-		20
Barium, Total	127	178	304	99		-	-		75-125	-		20
Beryllium, Total	0.541	4.45	4.76	95		-	-		75-125	-		20
Cadmium, Total	0.576	4.72	4.41	81		-	-		75-125	-		20
Calcium, Total	53600	890	76900	**2620**	Q	-	-		75-125	-		20
Chromium, Total	68.5	17.8	152	**469**	Q	-	-		75-125	-		20
Cobalt, Total	4.03	44.5	39.3	79		-	-		75-125	-		20
Copper, Total	47.0	22.2	69.2	100		-	-		75-125	-		20
Iron, Total	30200	89	41500	**12700**	Q	-	-		75-125	-		20
Lead, Total	220	47.2	597	**799**	Q	-	-		75-125	-		20
Magnesium, Total	14000	890	13400	**0**	Q	-	-		75-125	-		20
Manganese, Total	1480	44.5	3050	**3530**	Q	-	-		75-125	-		20
Nickel, Total	15.9	44.5	51.1	79		-	-		75-125	-		20
Potassium, Total	630	890	1620	111		-	-		75-125	-		20
Selenium, Total	ND	10.7	8.83	83		-	-		75-125	-		20
Silver, Total	ND	4.45	4.44	100		-	-		75-125	-		20
Sodium, Total	1130	890	2230	124		-	-		75-125	-		20
Thallium, Total	0.527J	10.7	8.54	80		-	-		75-125	-		20
Vanadium, Total	61.4	44.5	164	**231**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

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): 01-04,06-07 QC Batch ID: WG1756333-3 QC Sample: L2313647-05 Client ID: MS Sample										
Zinc, Total	181	44.5	195	**31**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756335-3 QC Sample: L2313647-05 Client ID: MS Sample										
Mercury, Total	0.271	1.82	1.99	94		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

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: WG1756513-3 QC Sample: L2312595-06 Client ID: MS Sample										
Aluminum, Total	0.00676J	2	2.04	102		-	-	75-125	-	20
Antimony, Total	0.00074J	0.5	0.4943	99		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1299	108		-	-	75-125	-	20
Barium, Total	0.07614	2	2.141	103		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05430	109		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05598	106		-	-	75-125	-	20
Calcium, Total	90.3	10	97.9	76		-	-	75-125	-	20
Chromium, Total	0.00045J	0.2	0.2010	100		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5055	101		-	-	75-125	-	20
Copper, Total	0.00038J	0.25	0.2598	104		-	-	75-125	-	20
Iron, Total	0.0273J	1	1.08	108		-	-	75-125	-	20
Lead, Total	ND	0.53	0.5642	106		-	-	75-125	-	20
Magnesium, Total	13.7	10	24.2	105		-	-	75-125	-	20
Manganese, Total	0.00464	0.5	0.5101	101		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.5059	101		-	-	75-125	-	20
Potassium, Total	1.54	10	11.9	104		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.133	111		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04586	92		-	-	75-125	-	20
Sodium, Total	149.	10	163	**140**	Q	-	-	75-125	-	20
Thallium, Total	0.00034J	0.12	0.1004	84		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4911	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

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: WG1756513-3 QC Sample: L2312595-06 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4904	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1756514-3 QC Sample: L2312595-07 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00492	98	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756333-4 QC Sample: L2313647-05 Client ID: DUP Sample						
Arsenic, Total	23.5	21.2	mg/kg	10		20
Lead, Total	220	165	mg/kg	**29**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756335-4 QC Sample: L2313647-05 Client ID: DUP Sample						
Mercury, Total	0.271	0.188	mg/kg	**36**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1756513-4 QC Sample: L2312595-06 Client ID: DUP Sample					
Aluminum, Total	0.00676J	0.00829J	mg/l	NC	20
Antimony, Total	0.00074J	0.00130J	mg/l	NC	20
Arsenic, Total	ND	0.00025J	mg/l	NC	20
Barium, Total	0.07614	0.07476	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	90.3	92.0	mg/l	2	20
Chromium, Total	0.00045J	0.00050J	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00038J	0.00045J	mg/l	NC	20
Iron, Total	0.0273J	0.0312J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	13.7	13.4	mg/l	2	20
Manganese, Total	0.00464	0.00459	mg/l	1	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	1.54	1.63	mg/l	6	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	149.	145	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1756513-4 QC Sample: L2312595-06 Client ID: DUP Sample					
Thallium, Total	0.00034J	0.00094J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1756514-4 QC Sample: L2312595-07 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2313767
Report Date: 04/03/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1756513-6 QC Sample: L2312595-06 Client ID: DUP Sample						
Barium, Total	0.07614	0.07665	mg/l	1		20
Calcium, Total	90.3	88.7	mg/l	2		20
Magnesium, Total	13.7	13.9	mg/l	1		20
Sodium, Total	149.	148.	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-01
Client ID: PH1_SB23_0-2
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/23 11:00
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	0.28	J	mg/kg	1.1	0.23	1	03/23/23 11:10	03/23/23 14:31	1,9010C/9012B	JRO
Chromium, Hexavalent	0.417	J	mg/kg	0.878	0.176	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-02
Client ID: PH1_SB23_4-6
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/23 11:05
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/23/23 11:10	03/23/23 13:48	1,9010C/9012B	JRO
Chromium, Hexavalent	0.381	J	mg/kg	0.923	0.184	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-03
Client ID: PH1_SB23_14-16
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/23 11:10
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/23/23 11:10	03/23/23 13:49	1,9010C/9012B	JRO
Chromium, Hexavalent	ND		mg/kg	0.960	0.192	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-04
Client ID: PH1_SODUP01_031623
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/16/23 00:00
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	0.26	J	mg/kg	1.1	0.23	1	03/23/23 11:10	03/23/23 13:50	1,9010C/9012B	JRO
Chromium, Hexavalent	0.364	J	mg/kg	0.883	0.177	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-05
Client ID: PH1_FB02_031623
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water

Date Collected: 03/16/23 09:00
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/23/23 15:00	03/23/23 18:42	1,9010C/9012B	JRO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/17/23 07:30	03/17/23 08:12	1,7196A	DWH

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-06
Client ID: PH1_SB21_6-8
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/23 14:00
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/23/23 11:10	03/23/23 13:53	1,9010C/9012B	JRO
Chromium, Hexavalent	ND		mg/kg	0.866	0.173	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2313767
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2313767-07
Client ID: PH1_SB21_16-18
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/23 14:05
Date Received: 03/16/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.2		%	0.100	NA	1	-	03/17/23 09:32	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	03/23/23 11:10	03/23/23 13:54	1,9010C/9012B	JRO
Chromium, Hexavalent	0.298	J	mg/kg	1.04	0.207	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2313767

Project Number: 170635401 **Report Date:** 04/03/23

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: WG1755689-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/17/23 07:30	03/17/23 08:11	1,7196A	DWH
General Chemistry - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1756138-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/18/23 14:00	03/20/23 22:25	1,7196A	WMT
General Chemistry - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1757915-1										
Cyanide, Total	ND		mg/kg	0.87	0.18	1	03/23/23 11:10	03/23/23 13:29	1,9010C/9012B	JRO
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1758065-1										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	03/23/23 20:30	03/23/23 22:50	1,9010C/9012B	JRO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1755689-2								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1756138-2								
Chromium, Hexavalent	**71**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1757915-2 WG1757915-3								
Cyanide, Total	101		93		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1758065-2 WG1758065-3								
Cyanide, Total	105		104		85-115	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1755689-4 QC Sample: L2313767-05 Client ID: PH1_FB02_031623												
Chromium, Hexavalent	ND	0.1	0.099	99		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756138-4 QC Sample: L2313526-02 Client ID: MS Sample												
Chromium, Hexavalent	ND	1810	520	**29**	Q	-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1757915-4 WG1757915-5 QC Sample: L2313873-01 Client ID: MS Sample												
Cyanide, Total	ND	12	13	110		12	100		75-125	8		35
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1758065-4 WG1758065-5 QC Sample: L2312595-01 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.228	114		0.221	110		80-120	3		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2313767

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1755656-1 QC Sample: L2313435-01 Client ID: DUP Sample						
Solids, Total	80.8	80.4	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1755689-3 QC Sample: L2313767-05 Client ID: PH1_FB02_031623						
Chromium, Hexavalent	ND	0.003J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07 QC Batch ID: WG1756138-6 QC Sample: L2313526-02 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313767-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-01B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-01C	Vial water preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2313767-01E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2313767-01G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-01H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-01J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-02B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-02C	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-02D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2313767-02E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313767-02G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-02H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-02J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-03B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-03C	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-03D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2313767-03E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2313767-03G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-03H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-03J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-04B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-04C	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-04D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2313767-04E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2313767-04G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313767-04H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-04J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-05A	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2313767-05B	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2313767-05C	Vial HCl preserved	B	NA		3.4	Y	Absent		NYTCL-8260(14)
L2313767-05D	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2313767-05E	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2313767-05F	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2313767-05G	Amber 120ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2313767-05H	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2313767-05J	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2313767-05K	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2313767-05L	Amber 250ml unpreserved	B	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2313767-05M	Plastic 250ml unpreserved	B	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2313767-05N	Plastic 250ml HNO3 preserved	B	<2	<2	3.4	Y	Absent		TL-6020T(180),FE-6020T(180),SE-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),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2313767-05O	Plastic 250ml NaOH preserved	B	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2313767-05P	Plastic 500ml unpreserved	B	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2313767-05Q	Amber 1000ml unpreserved	B	7	7	3.4	Y	Absent		HERB-APA(7)
L2313767-05R	Amber 1000ml unpreserved	B	7	7	3.4	Y	Absent		HERB-APA(7)
L2313767-06A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-06B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-06C	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-06D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2313767
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2313767-06E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2313767-06G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-06H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-06J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-07A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2313767-07B	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-07C	Vial water preserved	A	NA		3.0	Y	Absent	17-MAR-23 02:17	NYTCL-8260HLW(14)
L2313767-07D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2313767-07E	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2313767-07F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2313767-07G	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-07H	Plastic 8oz unpreserved	A	NA		3.0	Y	Absent		A2-1633-DRAFT(90)
L2313767-07J	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2313767-08A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2313767-08B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
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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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVENUE-PHASE 1
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Report Date: 04/03/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2313767
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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.

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

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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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.

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

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 3/17/23

ALPHA Job #: L2313767

Client Information
Client: Langan
Address: 360 W. 31st Street 8th Floor, NY, NY
Phone: 212-479-5400
Fax:
Email: lwyman@langan.com

Project Information
Project Name: 681 Lenox Avenue - Phase I
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyman
ALPHAQuote #: 21538

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

cc: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 5/5 VOCs	PCBs	TAL Metals w/ Hex Chromium	Cyan. Tot.	PCBs/Hg/TCLP	PFAS Short compound list	1,4 Dioxane	TCL VOCs	Sample Specific Comments	Total Bottle
13767-01	PH1_SB23_0-2	3/16/23	11:00	S	JF	X	X	X	X	X	X	X			
-02	PH1_SB23_4-6		11:05	S											
-03	PH1_SB23_14-16		11:10	S											
-04	PH1_SOILDUP01_031623			S											
-05	PH1_FB02_031623		9:00	AQ											
-06	PH1_SB21_6-8		14:00	S											
-07	PH1_SB21_16-18		14:05	S											
-08	PH1_SOILB02_031623			AQ									X		

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	3/16/23 13:00	AAL	3/16/23 15:00
AAL	3/16/23 14:05		3/16/23 19:30
	3/16/23 22:05		3/16/23 22:05
	3/17/23 0005		3/17/23 0005

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2314190
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	03/23/23

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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314190
Report Date: 03/23/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2314190-01	PH1_SB21A_1-2	SOIL	MANHATTAN, NY	03/17/23 09:55	03/17/23
L2314190-02	PH1_SB21A_2-3	SOIL	MANHATTAN, NY	03/17/23 09:56	03/17/23
L2314190-03	PH1_SB21A_3-4	SOIL	MANHATTAN, NY	03/17/23 09:57	03/17/23
L2314190-04	PH1_SB21A_4-5	SOIL	MANHATTAN, NY	03/17/23 09:58	03/17/23
L2314190-05	PH1_SB28_1-2	SOIL	MANHATTAN, NY	03/17/23 10:00	03/17/23
L2314190-06	PH1_SB28_2-3	SOIL	MANHATTAN, NY	03/17/23 10:05	03/17/23
L2314190-07	PH1_SB28_3-4	SOIL	MANHATTAN, NY	03/17/23 10:10	03/17/23
L2314190-08	PH1_SB28_4-5	SOIL	MANHATTAN, NY	03/17/23 10:15	03/17/23
L2314190-09	PH1_S0DUP03_031723	SOIL	MANHATTAN, NY	03/17/23 00:00	03/17/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 03/23/23

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-01 Date Collected: 03/17/23 09:55

Client ID: PH1_SB21A_1-2 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.107	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:22	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-01 Date Collected: 03/17/23 09:55

Client ID: PH1_SB21A_1-2 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	263		mg/kg	2.17	0.116	1	03/22/23 12:00	03/22/23 17:23	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-02 Date Collected: 03/17/23 09:56

Client ID: PH1_SB21A_2-3 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.203	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:17	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-02 Date Collected: 03/17/23 09:56

Client ID: PH1_SB21A_2-3 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	273		mg/kg	2.12	0.114	1	03/22/23 12:00	03/22/23 18:04	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-03 Date Collected: 03/17/23 09:57

Client ID: PH1_SB21A_3-4 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	9.08		mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:19	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-03 Date Collected: 03/17/23 09:57

Client ID: PH1_SB21A_3-4 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	2560		mg/kg	2.12	0.114	1	03/22/23 12:00	03/22/23 18:09	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-04 Date Collected: 03/17/23 09:58

Client ID: PH1_SB21A_4-5 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	13.9		mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:41	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-04 Date Collected: 03/17/23 09:58

Client ID: PH1_SB21A_4-5 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	5060		mg/kg	11.6	0.623	5	03/22/23 12:00	03/22/23 19:31	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-05 Date Collected: 03/17/23 10:00

Client ID: PH1_SB28_1-2 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil TCLP/SPLP Ext. Date: 03/18/23 16:50

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.0744	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:44	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-05 Date Collected: 03/17/23 10:00

Client ID: PH1_SB28_1-2 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	1010		mg/kg	2.21	0.118	1	03/22/23 12:00	03/22/23 18:19	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-06 Date Collected: 03/17/23 10:05

Client ID: PH1_SB28_2-3 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil TCLP/SPLP Ext. Date: 03/18/23 16:50

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.0897	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:47	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-06 Date Collected: 03/17/23 10:05

Client ID: PH1_SB28_2-3 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	1740		mg/kg	2.12	0.114	1	03/22/23 12:00	03/22/23 18:24	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-07 Date Collected: 03/17/23 10:10

Client ID: PH1_SB28_3-4 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.127	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:50	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-07 Date Collected: 03/17/23 10:10

Client ID: PH1_SB28_3-4 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	270		mg/kg	2.14	0.114	1	03/22/23 12:00	03/22/23 18:28	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-08 Date Collected: 03/17/23 10:15

Client ID: PH1_SB28_4-5 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil TCLP/SPLP Ext. Date: 03/18/23 16:50

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.115	J	mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:52	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-08 Date Collected: 03/17/23 10:15

Client ID: PH1_SB28_4-5 Date Received: 03/17/23

Sample Location: 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											
Lead, Total	361		mg/kg	2.21	0.118	1	03/22/23 12:00	03/22/23 18:33	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-09 Date Collected: 03/17/23 00:00

Client ID: PH1_S0DUP03_031723 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/18/23 16:50

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	11.6		mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:55	EPA 3015	1,6010D	DHL

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-09 Date Collected: 03/17/23 00:00

Client ID: PH1_S0DUP03_031723 Date Received: 03/17/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	4830		mg/kg	22.3	1.20	10	03/22/23 12:00	03/22/23 20:20	EPA 3050B	1,6010D	AMW

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314190

Project Number: 170635401 **Report Date:** 03/23/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-09 Batch: WG1757134-1										
Lead, TCLP	ND		mg/l	0.500	0.0270	1	03/21/23 17:16	03/21/23 23:11	1,6010D	DHL

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/18/23 12:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1757136-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	03/22/23 12:00	03/22/23 14:15	1,6010D	DMB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314190

Report Date: 03/23/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-09 Batch: WG1757134-2								
Lead, TCLP	99		-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1757136-2 SRM Lot Number: D116-540								
Lead, Total	88		-		83-117	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314190
Report Date: 03/23/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1757134-3 QC Sample: L2314190-01 Client ID: PH1_SB21A_1-2												
Lead, TCLP	0.107J	5.3	5.43	102		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1757136-3 QC Sample: L2313860-01 Client ID: MS Sample												
Lead, Total	6.84	45.8	48.6	91		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314190

Report Date: 03/23/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1757134-4 QC Sample: L2314190-01 Client ID: PH1_SB21A_1-2						
Lead, TCLP	0.107J	0.112J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1757136-4 QC Sample: L2313860-01 Client ID: DUP Sample						
Lead, Total	6.84	6.31	mg/kg	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-01
Client ID: PH1_SB21A_1-2
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 09:55
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-02
Client ID: PH1_SB21A_2-3
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 09:56
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-03
Client ID: PH1_SB21A_3-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 09:57
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-04
Client ID: PH1_SB21A_4-5
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 09:58
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-05
Client ID: PH1_SB28_1-2
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 10:00
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-06
Client ID: PH1_SB28_2-3
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 10:05
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-07
Client ID: PH1_SB28_3-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/17/23 10:10
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-08
Client ID: PH1_SB28_4-5
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 10:15
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314190
Report Date: 03/23/23

SAMPLE RESULTS

Lab ID: L2314190-09
Client ID: PH1_S0DUP03_031723
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/17/23 00:00
Date Received: 03/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	03/18/23 15:00	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314190

Report Date: 03/23/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1756096-1 QC Sample: L2314190-01 Client ID: PH1_SB21A_1-2						
Solids, Total	90.4	90.8	%	0		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314190
Report Date: 03/23/23

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(*)
L2314190-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-01B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-01X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-02B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-02X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-03B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-03X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-04B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-04X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-05B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-05X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-06B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314190
Report Date: 03/23/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2314190-06X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-07B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-07X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-08B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-08X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2314190-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		PB-TI(180)
L2314190-09B	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2314190-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		PB-CI(180)
L2314190-09X9	Tumble Vessel	A	NA		2.5	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314190
Project Number:	170635401	**Report Date:**	03/23/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 3/17/23

ALPHA Job #: L2314190

Client Information
Client: Langan
Address: 360 W. 31st Street 8th Floor, NY, NY
Phone: 212-479-5400
Fax:
Email: gwyman@Langan.com

Project Information
Project Name: 637 Lenox Avenue-Phase 1
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Greg Wyman
ALPHAQuote #: 215358

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CC: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL ICP Lead	Sample Specific Comments	Total Bottle
14190-01	PHI_SB21A_1-2	3/17/23	9:55	S	JF	X		
02	PHI_SB21A_2-3		9:56					
03	PHI_SB21A_3-4		9:57					
04	PHI_SB21A_4-5		9:58					
05	PHI_SB25_1-2		10:00					
06	PHI_SB25_2-3		10:05					
07	PHI_SB25_3-4		10:10					
08	PHI_SB25_4-5		10:15					
09	PHI_SODUP03_031723							

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Fay	3/17/23 3:35		
	3/17 16:30	Paul Mazzella	3/17/23 17:20
Paul Mazzella	3/17/23		
	3/17/23 2220		3/17/23 0830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2314346
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	691 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	04/03/23

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: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2314346-01	PH1_SB20_3-4	SOIL	MANHATTAN, NY	03/20/23 10:30	03/20/23
L2314346-02	PH1_SB20_10-12	SOIL	MANHATTAN, NY	03/20/23 10:40	03/20/23
L2314346-03	PH1_SB20_16-18	SOIL	MANHATTAN, NY	03/20/23 10:45	03/20/23
L2314346-04	PH1_FB03_032023	WATER	MANHATTAN, NY	03/20/23 08:30	03/20/23

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

Report Submission

April 03, 2023: This final report includes the results of all requested analyses.

March 27, 2023: This is a preliminary report.

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

Sample Receipt

The project name was specified by the client.

L2314346-02: The collection date and time on the chain of custody was 20-MAR-23 10:40; however, the collection date/time on the container label was 17-MAR-23 10:40. At the client's request, the collection date/time is reported as 20-MAR-23 10:40.

Volatile Organics

L2314346-01: 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.

Total Metals

L2314346-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/03/23

ORGANICS

VOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/22/23 19:18
Analyst: JIC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	230	1
1,1-Dichloroethane	ND		ug/kg	100	15.	1
Chloroform	ND		ug/kg	150	14.	1
Carbon tetrachloride	ND		ug/kg	100	23.	1
1,2-Dichloropropane	ND		ug/kg	100	13.	1
Dibromochloromethane	ND		ug/kg	100	14.	1
1,1,2-Trichloroethane	ND		ug/kg	100	27.	1
Tetrachloroethene	3300		ug/kg	50	20.	1
Chlorobenzene	ND		ug/kg	50	13.	1
Trichlorofluoromethane	ND		ug/kg	400	70.	1
1,2-Dichloroethane	ND		ug/kg	100	26.	1
1,1,1-Trichloroethane	ND		ug/kg	50	17.	1
Bromodichloromethane	ND		ug/kg	50	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	28.	1
cis-1,3-Dichloropropene	ND		ug/kg	50	16.	1
1,3-Dichloropropene, Total	ND		ug/kg	50	16.	1
1,1-Dichloropropene	ND		ug/kg	50	16.	1
Bromoform	ND		ug/kg	400	25.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	17.	1
Benzene	ND		ug/kg	50	17.	1
Toluene	ND		ug/kg	100	55.	1
Ethylbenzene	ND		ug/kg	100	14.	1
Chloromethane	ND		ug/kg	400	94.	1
Bromomethane	ND		ug/kg	200	59.	1
Vinyl chloride	ND		ug/kg	100	34.	1
Chloroethane	ND		ug/kg	200	46.	1
1,1-Dichloroethene	ND		ug/kg	100	24.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	14.	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	500		ug/kg	50	14.	1
1,2-Dichlorobenzene	ND		ug/kg	200	14.	1
1,3-Dichlorobenzene	ND		ug/kg	200	15.	1
1,4-Dichlorobenzene	ND		ug/kg	200	17.	1
Methyl tert butyl ether	ND		ug/kg	200	20.	1
p/m-Xylene	ND		ug/kg	200	56.	1
o-Xylene	ND		ug/kg	100	29.	1
Xylenes, Total	ND		ug/kg	100	29.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	18.	1
1,2-Dichloroethene, Total	ND		ug/kg	100	14.	1
Dibromomethane	ND		ug/kg	200	24.	1
Styrene	ND		ug/kg	100	20.	1
Dichlorodifluoromethane	ND		ug/kg	1000	92.	1
Acetone	ND		ug/kg	1000	480	1
Carbon disulfide	ND		ug/kg	1000	460	1
2-Butanone	ND		ug/kg	1000	220	1
Vinyl acetate	ND		ug/kg	1000	220	1
4-Methyl-2-pentanone	ND		ug/kg	1000	130	1
1,2,3-Trichloropropane	ND		ug/kg	200	13.	1
2-Hexanone	ND		ug/kg	1000	120	1
Bromochloromethane	ND		ug/kg	200	21.	1
2,2-Dichloropropane	ND		ug/kg	200	20.	1
1,2-Dibromoethane	ND		ug/kg	100	28.	1
1,3-Dichloropropane	ND		ug/kg	200	17.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	13.	1
Bromobenzene	ND		ug/kg	200	15.	1
n-Butylbenzene	ND		ug/kg	100	17.	1
sec-Butylbenzene	ND		ug/kg	100	15.	1
tert-Butylbenzene	ND		ug/kg	200	12.	1
o-Chlorotoluene	ND		ug/kg	200	19.	1
p-Chlorotoluene	ND		ug/kg	200	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	100	1
Hexachlorobutadiene	ND		ug/kg	400	17.	1
Isopropylbenzene	ND		ug/kg	100	11.	1
p-Isopropyltoluene	ND		ug/kg	100	11.	1
Naphthalene	99	J	ug/kg	400	66.	1
Acrylonitrile	ND		ug/kg	400	120	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: MANHATTAN, NY 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	100	17.	1
1,2,3-Trichlorobenzene	ND		ug/kg	200	32.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	27.	1
1,3,5-Trimethylbenzene	ND		ug/kg	200	19.	1
1,2,4-Trimethylbenzene	ND		ug/kg	200	34.	1
1,4-Dioxane	ND		ug/kg	8100	3500	1
p-Diethylbenzene	ND		ug/kg	200	18.	1
p-Ethyltoluene	ND		ug/kg	200	39.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	19.	1
Ethyl ether	ND		ug/kg	200	34.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	500	140	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/24/23 10:52
Analyst: JIC
Percent Solids: 91%

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	0.38	J	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	32		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	12		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	8.0	J	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	0.63	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	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	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	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/22/23 19:44
Analyst: JIC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	0.53	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	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	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	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	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	30		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	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	0.24	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	0.59	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	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	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	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/22/23 20:10
Analyst: JIC
Percent Solids: 83%

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	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	13		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	0.25	1
Dichlorodifluoromethane	ND		ug/kg	12	1.2	1
Acetone	26		ug/kg	12	6.0	1
Carbon disulfide	16		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	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	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	113		70-130
Toluene-d8	127		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	120		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1757731-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1757731-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1757731-5					
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	0.45	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.36	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	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1757879-5					
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	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1757879-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/22/23 13:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1757879-5					
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	22	J	ug/kg	100	16.
1,2,4-Trichlorobenzene	18	J	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	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 09:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1758536-5					
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	0.76	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 09:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1758536-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 09:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1758536-5					
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	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1757731-3 WG1757731-4								
Methylene chloride	114		86		70-130	28		30
1,1-Dichloroethane	92		79		70-130	15		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	107		100		70-130	7		30
1,2-Dichloropropane	80		85		70-130	6		30
Dibromochloromethane	110		120		70-130	9		30
1,1,2-Trichloroethane	93		107		70-130	14		30
Tetrachloroethene	94		125		70-130	28		30
Chlorobenzene	108		108		70-130	0		30
Trichlorofluoromethane	109		82		70-139	28		30
1,2-Dichloroethane	90		82		70-130	9		30
1,1,1-Trichloroethane	104		96		70-130	8		30
Bromodichloromethane	86		91		70-130	6		30
trans-1,3-Dichloropropene	77		109		70-130	**34**	Q	30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	113		98		70-130	14		30
Bromoform	105		105		70-130	0		30
1,1,2,2-Tetrachloroethane	99		98		70-130	1		30
Benzene	94		93		70-130	1		30
Toluene	82		116		70-130	**34**	Q	30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	74		55		52-130	29		30
Bromomethane	106		81		57-147	27		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1757731-3 WG1757731-4								
Vinyl chloride	95		67		67-130	**35**	Q	30
Chloroethane	100		79		50-151	23		30
1,1-Dichloroethene	115		87		65-135	28		30
trans-1,2-Dichloroethene	117		87		70-130	29		30
Trichloroethene	104		107		70-130	3		30
1,2-Dichlorobenzene	110		109		70-130	1		30
1,3-Dichlorobenzene	112		110		70-130	2		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	120		94		66-130	24		30
p/m-Xylene	111		114		70-130	3		30
o-Xylene	111		125		70-130	12		30
cis-1,2-Dichloroethene	99		86		70-130	14		30
Dibromomethane	87		89		70-130	2		30
Styrene	115		128		70-130	11		30
Dichlorodifluoromethane	112		84		30-146	29		30
Acetone	92		73		54-140	23		30
Carbon disulfide	**183**	Q	**137**	Q	59-130	29		30
2-Butanone	72		76		70-130	5		30
Vinyl acetate	**66**	Q	**66**	Q	70-130	0		30
4-Methyl-2-pentanone	**59**	Q	95		70-130	**47**	Q	30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	80		**56**	Q	70-130	**35**	Q	30
Bromochloromethane	95		90		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1757731-3 WG1757731-4								
2,2-Dichloropropane	98		94		70-130	4		30
1,2-Dibromoethane	99		105		70-130	6		30
1,3-Dichloropropane	102		111		69-130	8		30
1,1,1,2-Tetrachloroethane	114		113		70-130	1		30
Bromobenzene	112		110		70-130	2		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	110		109		70-130	1		30
tert-Butylbenzene	111		109		70-130	2		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	108		106		70-130	2		30
1,2-Dibromo-3-chloropropane	94		96		68-130	2		30
Hexachlorobutadiene	118		117		67-130	1		30
Isopropylbenzene	111		109		70-130	2		30
p-Isopropyltoluene	113		111		70-130	2		30
Naphthalene	97		83		70-130	16		30
Acrylonitrile	76		73		70-130	4		30
n-Propylbenzene	108		106		70-130	2		30
1,2,3-Trichlorobenzene	107		94		70-130	13		30
1,2,4-Trichlorobenzene	98		97		70-130	1		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	109		107		70-130	2		30
1,4-Dioxane	98		93		65-136	5		30
p-Diethylbenzene	111		110		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1757731-3 WG1757731-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	113		87		70-130	26		30
Ethyl ether	115		89		67-130	25		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		86		70-130
Toluene-d8	83		117		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	96		83		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1757879-3 WG1757879-4								
Methylene chloride	114		86		70-130	28		30
1,1-Dichloroethane	92		79		70-130	15		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	107		100		70-130	7		30
1,2-Dichloropropane	80		85		70-130	6		30
Dibromochloromethane	110		120		70-130	9		30
1,1,2-Trichloroethane	93		107		70-130	14		30
Tetrachloroethene	94		125		70-130	28		30
Chlorobenzene	108		108		70-130	0		30
Trichlorofluoromethane	109		82		70-139	28		30
1,2-Dichloroethane	90		82		70-130	9		30
1,1,1-Trichloroethane	104		96		70-130	8		30
Bromodichloromethane	86		91		70-130	6		30
trans-1,3-Dichloropropene	77		109		70-130	**34**	Q	30
cis-1,3-Dichloropropene	98		100		70-130	2		30
1,1-Dichloropropene	113		98		70-130	14		30
Bromoform	105		105		70-130	0		30
1,1,2,2-Tetrachloroethane	99		98		70-130	1		30
Benzene	94		93		70-130	1		30
Toluene	82		116		70-130	**34**	Q	30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	74		55		52-130	29		30
Bromomethane	106		81		57-147	27		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1757879-3 WG1757879-4								
Vinyl chloride	95		67		67-130	**35**	Q	30
Chloroethane	100		79		50-151	23		30
1,1-Dichloroethene	115		87		65-135	28		30
trans-1,2-Dichloroethene	117		87		70-130	29		30
Trichloroethene	104		107		70-130	3		30
1,2-Dichlorobenzene	110		109		70-130	1		30
1,3-Dichlorobenzene	112		110		70-130	2		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	120		94		66-130	24		30
p/m-Xylene	111		114		70-130	3		30
o-Xylene	111		125		70-130	12		30
cis-1,2-Dichloroethene	99		86		70-130	14		30
Dibromomethane	87		89		70-130	2		30
Styrene	115		128		70-130	11		30
Dichlorodifluoromethane	112		84		30-146	29		30
Acetone	92		73		54-140	23		30
Carbon disulfide	**183**	Q	**137**	Q	59-130	29		30
2-Butanone	72		76		70-130	5		30
Vinyl acetate	**66**	Q	**66**	Q	70-130	0		30
4-Methyl-2-pentanone	**59**	Q	95		70-130	**47**	Q	30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	80		**56**	Q	70-130	**35**	Q	30
Bromochloromethane	95		90		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1757879-3 WG1757879-4								
2,2-Dichloropropane	98		94		70-130	4		30
1,2-Dibromoethane	99		105		70-130	6		30
1,3-Dichloropropane	102		111		69-130	8		30
1,1,1,2-Tetrachloroethane	114		113		70-130	1		30
Bromobenzene	112		110		70-130	2		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	110		109		70-130	1		30
tert-Butylbenzene	111		109		70-130	2		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	108		106		70-130	2		30
1,2-Dibromo-3-chloropropane	94		96		68-130	2		30
Hexachlorobutadiene	118		117		67-130	1		30
Isopropylbenzene	111		109		70-130	2		30
p-Isopropyltoluene	113		111		70-130	2		30
Naphthalene	97		83		70-130	16		30
Acrylonitrile	76		73		70-130	4		30
n-Propylbenzene	108		106		70-130	2		30
1,2,3-Trichlorobenzene	107		94		70-130	13		30
1,2,4-Trichlorobenzene	98		97		70-130	1		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	109		107		70-130	2		30
1,4-Dioxane	98		93		65-136	5		30
p-Diethylbenzene	111		110		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1757879-3 WG1757879-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	113		87		70-130	26		30
Ethyl ether	115		89		67-130	25		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		86		70-130
Toluene-d8	83		117		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	96		83		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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 Batch: WG1758536-3 WG1758536-4								
Methylene chloride	87		95		70-130	9		30
1,1-Dichloroethane	88		98		70-130	11		30
Chloroform	91		99		70-130	8		30
Carbon tetrachloride	92		102		70-130	10		30
1,2-Dichloropropane	94		100		70-130	6		30
Dibromochloromethane	103		108		70-130	5		30
1,1,2-Trichloroethane	98		102		70-130	4		30
Tetrachloroethene	92		107		70-130	15		30
Chlorobenzene	91		101		70-130	10		30
Trichlorofluoromethane	89		102		70-139	14		30
1,2-Dichloroethane	96		99		70-130	3		30
1,1,1-Trichloroethane	92		102		70-130	10		30
Bromodichloromethane	100		105		70-130	5		30
trans-1,3-Dichloropropene	101		106		70-130	5		30
cis-1,3-Dichloropropene	98		105		70-130	7		30
1,1-Dichloropropene	91		102		70-130	11		30
Bromoform	94		98		70-130	4		30
1,1,2,2-Tetrachloroethane	101		100		70-130	1		30
Benzene	89		99		70-130	11		30
Toluene	87		98		70-130	12		30
Ethylbenzene	89		98		70-130	10		30
Chloromethane	87		97		52-130	11		30
Bromomethane	103		115		57-147	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 Batch: WG1758536-3 WG1758536-4								
Vinyl chloride	90		101		67-130	12		30
Chloroethane	89		99		50-151	11		30
1,1-Dichloroethene	92		105		65-135	13		30
trans-1,2-Dichloroethene	87		98		70-130	12		30
Trichloroethene	95		106		70-130	11		30
1,2-Dichlorobenzene	94		100		70-130	6		30
1,3-Dichlorobenzene	91		99		70-130	8		30
1,4-Dichlorobenzene	91		100		70-130	9		30
Methyl tert butyl ether	99		99		66-130	0		30
p/m-Xylene	92		102		70-130	10		30
o-Xylene	92		101		70-130	9		30
cis-1,2-Dichloroethene	92		99		70-130	7		30
Dibromomethane	99		100		70-130	1		30
Styrene	90		98		70-130	9		30
Dichlorodifluoromethane	86		97		30-146	12		30
Acetone	91		87		54-140	4		30
Carbon disulfide	79		91		59-130	14		30
2-Butanone	95		92		70-130	3		30
Vinyl acetate	98		93		70-130	5		30
4-Methyl-2-pentanone	100		100		70-130	0		30
1,2,3-Trichloropropane	95		96		68-130	1		30
2-Hexanone	101		100		70-130	1		30
Bromochloromethane	95		99		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 Batch: WG1758536-3 WG1758536-4								
2,2-Dichloropropane	90		101		70-130	12		30
1,2-Dibromoethane	102		105		70-130	3		30
1,3-Dichloropropane	100		102		69-130	2		30
1,1,1,2-Tetrachloroethane	96		102		70-130	6		30
Bromobenzene	91		99		70-130	8		30
n-Butylbenzene	88		100		70-130	13		30
sec-Butylbenzene	87		99		70-130	13		30
tert-Butylbenzene	88		98		70-130	11		30
o-Chlorotoluene	87		96		70-130	10		30
p-Chlorotoluene	88		97		70-130	10		30
1,2-Dibromo-3-chloropropane	106		103		68-130	3		30
Hexachlorobutadiene	87		100		67-130	14		30
Isopropylbenzene	87		98		70-130	12		30
p-Isopropyltoluene	87		99		70-130	13		30
Naphthalene	103		103		70-130	0		30
Acrylonitrile	98		98		70-130	0		30
n-Propylbenzene	87		97		70-130	11		30
1,2,3-Trichlorobenzene	100		104		70-130	4		30
1,2,4-Trichlorobenzene	98		105		70-130	7		30
1,3,5-Trimethylbenzene	88		98		70-130	11		30
1,2,4-Trimethylbenzene	89		98		70-130	10		30
1,4-Dioxane	108		105		65-136	3		30
p-Diethylbenzene	88		99		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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 Batch: WG1758536-3 WG1758536-4								
p-Ethyltoluene	88		99		70-130	12		30
1,2,4,5-Tetramethylbenzene	92		100		70-130	8		30
Ethyl ether	102		104		67-130	2		30
trans-1,4-Dichloro-2-butene	105		105		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/23/23 10:27
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	480		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	5500		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	160	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	130	J	ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2200		ug/kg	110	20.	1
Benzo(a)pyrene	2300		ug/kg	140	44.	1
Benzo(b)fluoranthene	2800		ug/kg	110	30.	1
Benzo(k)fluoranthene	620		ug/kg	110	28.	1
Chrysene	1900		ug/kg	110	18.	1
Acenaphthylene	30	J	ug/kg	140	28.	1
Anthracene	1100		ug/kg	110	35.	1
Benzo(ghi)perylene	1400		ug/kg	140	21.	1
Fluorene	400		ug/kg	180	17.	1
Phenanthrene	3900		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	240		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1500		ug/kg	140	25.	1
Pyrene	4900		ug/kg	110	18.	1
Biphenyl	34	J	ug/kg	410	23.	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	310		ug/kg	180	17.	1
2-Methylnaphthalene	97	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	390		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	60		18-120

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/28/23 16:27
Analyst: LMV
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.795	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.795	0.080	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	0.064	J	ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.795	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.103	J	ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.795	0.385	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.795	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.795	0.146	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.038	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.795	0.195	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.795	0.166	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.099	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.111	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.249	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.507	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.083	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.095	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.994	0.143	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.97	0.502	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.97	1.75	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	78		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	80		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	69		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	63		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	66		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	57		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	47		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	56		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	45		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	42		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	44		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/23/23 05:14
Analyst: JG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	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	ND		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	ND		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	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	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
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	94.	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	78		18-120

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/28/23 17:06
Analyst: LMV
Percent Solids: 81%

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.781	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.391	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.195	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.781	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.195	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.195	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.195	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.195	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.195	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.781	0.273	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.195	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.195	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.094	JF	ng/g	0.195	0.077	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.195	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.781	0.378	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.195	0.041	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.195	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.195	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.195	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.195	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.195	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.195	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.195	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.195	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.781	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.781	0.143	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.195	0.038	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.781	0.191	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.781	0.163	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.195	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.195	0.109	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.95	0.244	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.95	0.498	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.391	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.391	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.391	0.081	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.391	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.977	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.88	0.493	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.88	1.72	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	73		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	79		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	81		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	42		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	40		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/23/23 04:49
Analyst: JG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	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	ND		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	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		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	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	67.	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	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	23.	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	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	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	280	31.	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	53		18-120

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/28/23 17:18
Analyst: LMV
Percent Solids: 83%

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.768	0.048	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.384	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.192	0.041	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.768	0.078	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.192	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.192	0.022	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.192	0.022	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.192	0.057	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.192	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.768	0.269	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.192	0.035	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.192	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.192	0.076	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.192	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.768	0.372	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.192	0.041	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.192	0.096	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.192	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.192	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.192	0.041	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.192	0.079	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.192	0.039	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.192	0.051	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.192	0.102	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.768	0.094	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.768	0.140	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.192	0.037	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.768	0.188	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.768	0.160	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.192	0.096	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.192	0.107	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.92	0.240	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.92	0.490	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.384	0.039	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.384	0.030	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.384	0.080	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.384	0.091	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.960	0.138	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.80	0.484	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.80	1.69	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	86		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	118		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	53		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	67		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	58		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	48		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	42		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-04
Client ID: PH1_FB03_032023
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 08:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/30/23 13:17
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.75	0.920	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.87	0.769	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.44	0.482	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.75	1.50	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.44	0.424	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.44	0.252	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.44	0.287	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.44	0.345	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.44	0.625	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.75	1.94	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.44	0.388	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.44	0.453	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.44	0.654	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.44	0.582	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.75	2.24	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.44	0.446	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.44	0.783	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.44	0.625	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.44	0.331	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.44	0.388	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.44	0.776	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.44	0.661	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.44	0.539	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.44	0.381	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.75	0.805	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.75	0.906	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.44	0.546	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-04 Date Collected: 03/20/23 08:30

Client ID: PH1_FB03_032023 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.75	1.18	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.75	1.18	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.44	0.625	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.44	0.661	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.4	3.38	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.4	1.76	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.87	0.410	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.87	0.381	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.87	0.316	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.87	1.70	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.19	2.37	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	35.9	8.41	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	35.9	5.67	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-04 Date Collected: 03/20/23 08:30

Client ID: PH1_FB03_032023 Date Received: 03/20/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	55		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	80		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	49		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	52		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1757720-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1757720-1					
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	22.
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	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1757720-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	61		18-120

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/28/23 15:49
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1759142-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/28/23 15:49
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1759142-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/28/23 15:49
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/27/23 06:09
Cleanup Method: EPA 1633
Cleanup Date: 03/28/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1759142-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	81		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	55		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	41		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	40		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	41		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	47		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1760224-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1760224-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1760224-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 Batch: WG1757720-2 WG1757720-3								
Acenaphthene	62		72		31-137	15		50
1,2,4-Trichlorobenzene	59		79		38-107	29		50
Hexachlorobenzene	74		88		40-140	17		50
Bis(2-chloroethyl)ether	53		63		40-140	17		50
2-Chloronaphthalene	60		71		40-140	17		50
1,2-Dichlorobenzene	55		70		40-140	24		50
1,3-Dichlorobenzene	56		70		40-140	22		50
1,4-Dichlorobenzene	55		68		28-104	21		50
3,3'-Dichlorobenzidine	67		77		40-140	14		50
2,4-Dinitrotoluene	60		75		40-132	22		50
2,6-Dinitrotoluene	70		86		40-140	21		50
Fluoranthene	64		81		40-140	23		50
4-Chlorophenyl phenyl ether	65		78		40-140	18		50
4-Bromophenyl phenyl ether	69		84		40-140	20		50
Bis(2-chloroisopropyl)ether	42		58		40-140	32		50
Bis(2-chloroethoxy)methane	51		64		40-117	23		50
Hexachlorobutadiene	69		82		40-140	17		50
Hexachlorocyclopentadiene	67		74		40-140	10		50
Hexachloroethane	54		75		40-140	33		50
Isophorone	54		66		40-140	20		50
Naphthalene	57		68		40-140	18		50
Nitrobenzene	54		67		40-140	21		50
NDPA/DPA	66		78		36-157	17		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 Batch: WG1757720-2 WG1757720-3								
n-Nitrosodi-n-propylamine	51		69		32-121	30		50
Bis(2-ethylhexyl)phthalate	65		84		40-140	26		50
Butyl benzyl phthalate	69		90		40-140	26		50
Di-n-butylphthalate	66		76		40-140	14		50
Di-n-octylphthalate	70		87		40-140	22		50
Diethyl phthalate	66		84		40-140	24		50
Dimethyl phthalate	60		79		40-140	27		50
Benzo(a)anthracene	61		74		40-140	19		50
Benzo(a)pyrene	77		94		40-140	20		50
Benzo(b)fluoranthene	69		86		40-140	22		50
Benzo(k)fluoranthene	75		81		40-140	8		50
Chrysene	62		73		40-140	16		50
Acenaphthylene	65		79		40-140	19		50
Anthracene	62		73		40-140	16		50
Benzo(ghi)perylene	63		75		40-140	17		50
Fluorene	63		76		40-140	19		50
Phenanthrene	61		70		40-140	14		50
Dibenzo(a,h)anthracene	60		73		40-140	20		50
Indeno(1,2,3-cd)pyrene	64		77		40-140	18		50
Pyrene	64		76		35-142	17		50
Biphenyl	61		69		37-127	12		50
4-Chloroaniline	58		64		40-140	10		50
2-Nitroaniline	63		83		47-134	27		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 Batch: WG1757720-2 WG1757720-3								
3-Nitroaniline	65		71		26-129	9		50
4-Nitroaniline	73		91		41-125	22		50
Dibenzofuran	64		80		40-140	22		50
2-Methylnaphthalene	65		71		40-140	9		50
1,2,4,5-Tetrachlorobenzene	74		80		40-117	8		50
Acetophenone	61		78		14-144	24		50
2,4,6-Trichlorophenol	73		87		30-130	18		50
p-Chloro-m-cresol	70		75		26-103	7		50
2-Chlorophenol	66		77		25-102	15		50
2,4-Dichlorophenol	63		78		30-130	21		50
2,4-Dimethylphenol	59		76		30-130	25		50
2-Nitrophenol	58		76		30-130	27		50
4-Nitrophenol	65		82		11-114	23		50
2,4-Dinitrophenol	60		72		4-130	18		50
4,6-Dinitro-o-cresol	70		89		10-130	24		50
Pentachlorophenol	70		87		17-109	22		50
Phenol	56		68		26-90	19		50
2-Methylphenol	60		79		30-130.	27		50
3-Methylphenol/4-Methylphenol	61		82		30-130	29		50
2,4,5-Trichlorophenol	75		86		30-130	14		50
Benzoic Acid	50		64		10-110	25		50
Benzyl Alcohol	48		61		40-140	24		50
Carbazole	62		78		54-128	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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 Batch: WG1757720-2 WG1757720-3								
1,4-Dioxane	41		54		40-140	27		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		90		25-120
Phenol-d6	64		79		10-120
Nitrobenzene-d5	58		69		23-120
2-Fluorobiphenyl	62		77		30-120
2,4,6-Tribromophenol	89		113		10-136
4-Terphenyl-d14	72		84		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	95		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	97		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	93		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	108		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	112		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	85		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	100		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	91		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	105		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	83		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	90		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	90		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	72		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	88		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	93		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	54		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	90		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	81		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	85		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	95		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	96		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	99		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	91		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	94		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	87		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	100		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	95		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	66		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	77				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	54				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	63				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	43				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	83				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	44				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	46				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-3								
Perfluorobutanoic Acid (PFBA)	91		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	85		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	92		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	88		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	87		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	87		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	106		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	97		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	83		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	91		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	81		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	79		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	68		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	83		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	81		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	88		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-3								
Perfluorotridecanoic Acid (PFTrDA)	82		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	100		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	95		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	97		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	58		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	100		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	79		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	85		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	89		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	90		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	92		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	84		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	84		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	88		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	101		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	80		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	78		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	62		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1759142-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	88				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	51				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	71				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	42				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	41				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	41				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	45				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	102		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	85		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	85		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	83		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	80		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	88		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	82		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	94		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	106		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	101		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	80		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	91		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	106		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	91		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	101		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	122		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	64		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	71				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	52				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	60				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-3								
Perfluorobutanoic Acid (PFBA)	107		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	102		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-3								
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	107		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	94		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	123		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	114		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	105		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	118		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	103		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	108		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	137		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	106		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	141		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	86		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1760224-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	66				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	97				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	55				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	59				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2314346

Project Number: 170635401 ***Report Date:*** 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1759142-4 WG1759142-5 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4												
Perfluorobutanoic Acid (PFBA)	ND	7.88	7.12	90		7.08	90		40-150	1		30
Perfluoropentanoic Acid (PFPeA)	ND	3.94	3.44	87		3.52	89		40-150	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.75	1.69	97		1.55	89		40-150	9		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	7.39	6.81	92		7.18	97		40-150	5		30
Perfluorohexanoic Acid (PFHxA)	ND	1.97	1.69	86		1.75	89		40-150	3		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.85	1.65	89		1.65	89		40-150	0		30
Perfluoroheptanoic Acid (PFHpA)	ND	1.97	2.07	105		1.91	97		40-150	8		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.8	1.57	87		1.63	91		40-150	4		30
Perfluorooctanoic Acid (PFOA)	0.064J	1.97	2.02	99		2.11	104		40-150	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.49	7.00	94		6.97	93		40-150	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.88	1.72	92		1.79	95		40-150	4		30
Perfluorononanoic Acid (PFNA)	ND	1.97	1.79	91		1.96	100		40-150	9		30
Perfluorooctanesulfonic Acid (PFOS)	0.103J	1.83	1.59	81		1.65	85		40-150	4		30
Perfluorodecanoic Acid (PFDA)	ND	1.97	1.82	92		1.68	85		40-150	8		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.56	7.12	94		7.78	103		40-150	9		30
Perfluorononanesulfonic Acid (PFNS)	ND	1.9	1.58	83		1.54	81		40-150	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.97	1.79	91		1.62	82		40-150	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	1.97	1.80	91		1.76	89		40-150	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	1.9	1.54	81		1.46	77		40-150	5		30
Perfluorooctanesulfonamide (PFOSA)	ND	1.97	1.70	86		1.66	84		40-150	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.97	1.62	82		1.62	82		40-150	0		30
Perfluorododecanoic Acid (PFDoA)	ND	1.97	1.73	88		1.95	99		40-150	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1759142-4 WG1759142-5 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4												
Perfluorotridecanoic Acid (PFTrDA)	ND	1.97	1.49	76		1.56	79		40-150	5		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.97	1.88	95		1.91	97		40-150	2		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	7.88	7.36	93		6.96	88		40-150	6		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	7.45	6.35	85		6.81	91		40-150	7		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	1.91	1.24	65		1.07	56		40-150	15		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	7.37	7.48	102		7.90	107		40-150	5		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	7.45	6.26	84		6.45	87		40-150	3		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.97	1.74	88		1.83	93		40-150	5		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.97	1.80	91		1.87	95		40-150	4		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	19.7	17.8	90		16.6	84		40-150	7		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	19.7	18.7	95		17.8	90		40-150	5		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.94	3.29	84		3.46	88		40-150	5		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.94	3.24	82		3.53	90		40-150	9		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.51	2.93	84		3.01	86		40-150	3		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.94	3.91	99		4.03	102		40-150	3		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	9.85	7.71	78		6.74	68		40-150	13		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	49.2	33.7	68		33.2	67		40-150	1		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	49.2	27.6	56		28.9	59		40-150	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2314346

Project Number: 170635401 ***Report Date:*** 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1759142-4 WG1759142-5 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	77		83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	74		81		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		42		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70		74		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	45		46		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47		42		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78		81		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	44		44		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	75		80		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50		50		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	69		82		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	68		74		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74		74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80		82		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	71		78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		59		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49		47		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79		79		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82		83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68		70		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		78		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2314346

Project Number: 170635401 ***Report Date:*** 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1759142-4 WG1759142-5 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78		79		20-150

PCBS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/23/23 12:59
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	ND		ug/kg	35.6	3.89	1	A
Aroclor 1260	ND		ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/23/23 13:07
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

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	8.50	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	7.41	1	A
Aroclor 1262	ND		ug/kg	40.1	5.09	1	A
Aroclor 1268	ND		ug/kg	40.1	4.16	1	A
PCBs, Total	ND		ug/kg	40.1	3.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/23/23 13:14
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.46	1	A
Aroclor 1221	ND		ug/kg	39.0	3.90	1	A
Aroclor 1232	ND		ug/kg	39.0	8.26	1	A
Aroclor 1242	ND		ug/kg	39.0	5.25	1	A
Aroclor 1248	ND		ug/kg	39.0	5.85	1	A
Aroclor 1254	ND		ug/kg	39.0	4.26	1	A
Aroclor 1260	ND		ug/kg	39.0	7.20	1	A
Aroclor 1262	ND		ug/kg	39.0	4.95	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	ND		ug/kg	39.0	3.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/23/23 12:37
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1757748-1						
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	95		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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 Batch: WG1757748-2 WG1757748-3									
Aroclor 1016	102		104		40-140	2		50	A
Aroclor 1260	87		89		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		93		30-150	A
Decachlorobiphenyl	86		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		89		30-150	B
Decachlorobiphenyl	81		82		30-150	B

PESTICIDES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/24/23 21:42
Analyst: AAR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	A
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	4.02		ug/kg	1.08	0.540	1	A
4,4'-DDE	8.72		ug/kg	1.73	0.399	1	A
4,4'-DDD	1.20	JIP	ug/kg	1.73	0.616	1	B
4,4'-DDT	14.8		ug/kg	1.73	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.07	1	A
cis-Chlordane	10.4		ug/kg	2.16	0.602	1	A
trans-Chlordane	8.08		ug/kg	2.16	0.570	1	A
Chlordane	38.3		ug/kg	14.4	5.72	1	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	90		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/23/23 06:05
Analyst: EJL
Percent Solids: 91%
Methylation Date: 03/22/23 21:08

Extraction Method: EPA 8151A
Extraction Date: 03/21/23 15:00

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	96		30-150	A
DCAA	96		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/24/23 21:54
Analyst: AAR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.787	0.352	1	A
Alpha-BHC	6.33		ug/kg	0.787	0.223	1	B
Beta-BHC	ND		ug/kg	1.89	0.716	1	A
Heptachlor	ND		ug/kg	0.944	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.665	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.787	0.323	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.826	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	ND		ug/kg	1.18	0.590	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.674	1	A
4,4'-DDT	ND		ug/kg	1.89	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.631	1	A
Endosulfan sulfate	ND		ug/kg	0.787	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.91	1	A
cis-Chlordane	ND		ug/kg	2.36	0.658	1	A
trans-Chlordane	ND		ug/kg	2.36	0.623	1	A
Chlordane	ND		ug/kg	15.7	6.26	1	A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	**3590**	Q	30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/23/23 06:24
Analyst: EJL
Percent Solids: 81%
Methylation Date: 03/22/23 21:08

Extraction Method: EPA 8151A
Extraction Date: 03/21/23 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	12.6	1	A
2,4,5-T	ND		ug/kg	201	6.22	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	95		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/24/23 22:05
Analyst: AAR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.347	1	A
Alpha-BHC	ND		ug/kg	0.777	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.707	1	A
Heptachlor	ND		ug/kg	0.932	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.777	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.665	1	A
4,4'-DDT	ND		ug/kg	1.86	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.623	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.370	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.5	6.17	1	A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	92		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/23/23 06:42
Analyst: EJL
Percent Solids: 83%
Methylation Date: 03/22/23 21:08

Extraction Method: EPA 8151A
Extraction Date: 03/21/23 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	199	12.5	1	A
2,4,5-T	ND		ug/kg	199	6.16	1	A
2,4,5-TP (Silvex)	ND		ug/kg	199	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	88		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/23/23 00:31
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 03/21/23 14:56

Methylation Date: 03/22/23 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1757145-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	101		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/23 19:31
Analyst: MSF

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1757751-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.629	0.281	A
Alpha-BHC	ND		ug/kg	0.629	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.755	0.338	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.83	0.850	A
Endrin	ND		ug/kg	0.629	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.661	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.944	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	1.51	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.629	0.300	A
Methoxychlor	ND		ug/kg	2.83	0.881	A
Toxaphene	ND		ug/kg	28.3	7.93	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.498	A
Chlordane	ND		ug/kg	12.6	5.00	A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/23 19:31
Analyst: MSF

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1757751-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1757145-2 WG1757145-3									
2,4-D	87		82		30-150	6		30	A
2,4,5-T	90		85		30-150	6		30	A
2,4,5-TP (Silvex)	86		79		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		79		30-150	A
DCAA	90		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

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: WG1757751-2 WG1757751-3									
Delta-BHC	93		85		30-150	9		30	A
Lindane	89		81		30-150	9		30	A
Alpha-BHC	91		83		30-150	9		30	A
Beta-BHC	105		87		30-150	19		30	A
Heptachlor	89		80		30-150	11		30	A
Aldrin	85		77		30-150	10		30	A
Heptachlor epoxide	77		70		30-150	10		30	A
Endrin	82		78		30-150	5		30	A
Endrin aldehyde	59		57		30-150	3		30	A
Endrin ketone	78		75		30-150	4		30	A
Dieldrin	88		84		30-150	5		30	A
4,4'-DDE	79		76		30-150	4		30	A
4,4'-DDD	91		86		30-150	6		30	A
4,4'-DDT	77		74		30-150	4		30	A
Endosulfan I	79		75		30-150	5		30	A
Endosulfan II	83		80		30-150	4		30	A
Endosulfan sulfate	59		58		30-150	2		30	A
Methoxychlor	77		75		30-150	3		30	A
cis-Chlordane	77		74		30-150	4		30	A
trans-Chlordane	85		81		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1757751-2 WG1757751-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		69		30-150	A
Decachlorobiphenyl	85		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	B
Decachlorobiphenyl	85		81		30-150	B

METALS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01 Date Collected: 03/20/23 10:30

Client ID: PH1_SB20_3-4 Date Received: 03/20/23

Sample Location: 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	7680		mg/kg	8.48	2.29	2	03/22/23 15:14	03/23/23 22:48	EPA 3050B	1,6010D	DHL
Antimony, Total	2.07	J	mg/kg	4.24	0.322	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Arsenic, Total	12.1		mg/kg	0.848	0.176	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Barium, Total	198		mg/kg	0.848	0.148	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.676		mg/kg	0.424	0.028	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.365	J	mg/kg	0.848	0.083	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Calcium, Total	16700		mg/kg	8.48	2.97	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Chromium, Total	16.6		mg/kg	0.848	0.081	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Cobalt, Total	5.19		mg/kg	1.70	0.141	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Copper, Total	45.7		mg/kg	0.848	0.219	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Iron, Total	11700		mg/kg	4.24	0.766	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Lead, Total	556		mg/kg	4.24	0.227	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Magnesium, Total	3220		mg/kg	8.48	1.31	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Manganese, Total	178		mg/kg	0.848	0.135	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Mercury, Total	0.174		mg/kg	0.072	0.047	1	03/22/23 15:38	03/22/23 20:16	EPA 7471B	1,7471B	DJR
Nickel, Total	15.4		mg/kg	2.12	0.205	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Potassium, Total	1780		mg/kg	212	12.2	2	03/22/23 15:14	03/23/23 22:48	EPA 3050B	1,6010D	DHL
Selenium, Total	0.312	J	mg/kg	1.70	0.219	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.424	0.240	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Sodium, Total	544		mg/kg	170	2.67	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Thallium, Total	0.329	J	mg/kg	1.70	0.267	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Vanadium, Total	18.4		mg/kg	0.848	0.172	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
Zinc, Total	236		mg/kg	4.24	0.249	2	03/22/23 15:14	03/23/23 19:24	EPA 3050B	1,6010D	JMF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16.2	J	mg/kg	0.881	0.881	1		03/24/23 21:10	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02 Date Collected: 03/20/23 10:40

Client ID: PH1_SB20_10-12 Date Received: 03/20/23

Sample Location: 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	7790		mg/kg	9.64	2.60	2	03/22/23 15:14	03/23/23 22:53	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.82	0.366	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Arsenic, Total	5.52		mg/kg	0.964	0.201	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Barium, Total	39.6		mg/kg	0.964	0.168	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.434	J	mg/kg	0.482	0.032	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.964	0.095	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Calcium, Total	4590		mg/kg	9.64	3.38	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Chromium, Total	7.77		mg/kg	0.964	0.093	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Cobalt, Total	4.62		mg/kg	1.93	0.160	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Copper, Total	8.60		mg/kg	0.964	0.249	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Iron, Total	10800		mg/kg	4.82	0.871	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Lead, Total	59.0		mg/kg	4.82	0.258	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Magnesium, Total	1530		mg/kg	9.64	1.48	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Manganese, Total	421		mg/kg	0.964	0.153	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Mercury, Total	0.154		mg/kg	0.100	0.066	1	03/22/23 15:38	03/22/23 20:20	EPA 7471B	1,7471B	DJR
Nickel, Total	8.44		mg/kg	2.41	0.233	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Potassium, Total	496		mg/kg	241	13.9	2	03/22/23 15:14	03/23/23 22:53	EPA 3050B	1,6010D	DHL
Selenium, Total	0.268	J	mg/kg	1.93	0.249	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.482	0.273	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Sodium, Total	77.0	J	mg/kg	193	3.04	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.93	0.304	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Vanadium, Total	14.3		mg/kg	0.964	0.196	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
Zinc, Total	26.4		mg/kg	4.82	0.283	2	03/22/23 15:14	03/23/23 19:29	EPA 3050B	1,6010D	JMF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.77		mg/kg	0.988	0.988	1		03/24/23 21:10	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03 Date Collected: 03/20/23 10:45

Client ID: PH1_SB20_16-18 Date Received: 03/20/23

Sample Location: 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	11800		mg/kg	9.20	2.48	2	03/22/23 15:14	03/23/23 22:57	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.60	0.349	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Arsenic, Total	5.75		mg/kg	0.920	0.191	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Barium, Total	20.8		mg/kg	0.920	0.160	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.791		mg/kg	0.460	0.030	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.920	0.090	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Calcium, Total	1580		mg/kg	9.20	3.22	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Chromium, Total	22.7		mg/kg	0.920	0.088	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Cobalt, Total	7.20		mg/kg	1.84	0.153	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Copper, Total	15.6		mg/kg	0.920	0.237	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Iron, Total	22000		mg/kg	4.60	0.830	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Lead, Total	17.8		mg/kg	4.60	0.246	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Magnesium, Total	5300		mg/kg	9.20	1.42	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Manganese, Total	246		mg/kg	0.920	0.146	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.096	0.063	1	03/22/23 15:38	03/22/23 20:23	EPA 7471B	1,7471B	DJR
Nickel, Total	17.9		mg/kg	2.30	0.222	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Potassium, Total	2260		mg/kg	230	13.2	2	03/22/23 15:14	03/23/23 22:57	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.84	0.237	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.460	0.260	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Sodium, Total	448		mg/kg	184	2.90	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.84	0.290	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Vanadium, Total	24.9		mg/kg	0.920	0.187	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
Zinc, Total	56.6		mg/kg	4.60	0.269	2	03/22/23 15:14	03/23/23 19:33	EPA 3050B	1,6010D	JMF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	22.7		mg/kg	0.967	0.967	1		03/24/23 21:10	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

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 Batch: WG1757227-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	0.070	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Calcium, Total	1.41	J	mg/kg	4.00	1.40	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Copper, Total	ND		mg/kg	0.400	0.103	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Iron, Total	0.456	J	mg/kg	2.00	0.361	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Potassium, Total	ND		mg/kg	100	5.76	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Silver, Total	ND		mg/kg	0.200	0.113	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Sodium, Total	1.69	J	mg/kg	80.0	1.26	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/22/23 15:14	03/23/23 07:55	1,6010D	EGW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1757228-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/22/23 15:38	03/22/23 19:20	1,7471B	DJR

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1757227-2 SRM Lot Number: D116-540								
Aluminum, Total	76		-		45-155	-		
Antimony, Total	186		-		2-205	-		
Arsenic, Total	104		-		82-119	-		
Barium, Total	88		-		82-118	-		
Beryllium, Total	96		-		82-118	-		
Cadmium, Total	102		-		82-118	-		
Calcium, Total	92		-		81-119	-		
Chromium, Total	98		-		81-118	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	98		-		83-117	-		
Iron, Total	90		-		58-142	-		
Lead, Total	100		-		83-117	-		
Magnesium, Total	95		-		75-125	-		
Manganese, Total	93		-		82-118	-		
Nickel, Total	103		-		82-118	-		
Potassium, Total	89		-		68-131	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	97		-		79-121	-		
Sodium, Total	92		-		71-130	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	96		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1757227-2 SRM Lot Number: D116-540					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1757228-2 SRM Lot Number: D116-540					
Mercury, Total	101	-	58-142	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757227-3 QC Sample: L2314262-01 Client ID: MS Sample												
Aluminum, Total	15000	205	16800	**878**	Q	-	-		75-125	-		20
Antimony, Total	ND	51.2	52.8	103		-	-		75-125	-		20
Arsenic, Total	7.83	12.3	21.6	112		-	-		75-125	-		20
Barium, Total	72.2	205	272	97		-	-		75-125	-		20
Beryllium, Total	0.570	5.12	5.49	96		-	-		75-125	-		20
Cadmium, Total	ND	5.43	5.53	102		-	-		75-125	-		20
Calcium, Total	10500	1020	9570	**0**	Q	-	-		75-125	-		20
Chromium, Total	21.5	20.5	42.3	101		-	-		75-125	-		20
Cobalt, Total	10.8	51.2	62.1	100		-	-		75-125	-		20
Copper, Total	18.8	25.6	44.1	99		-	-		75-125	-		20
Iron, Total	26400	102	28000	**1560**	Q	-	-		75-125	-		20
Lead, Total	23.3	54.3	76.4	98		-	-		75-125	-		20
Magnesium, Total	8020	1020	9580	**152**	Q	-	-		75-125	-		20
Manganese, Total	425	51.2	488	123		-	-		75-125	-		20
Nickel, Total	25.9	51.2	76.2	98		-	-		75-125	-		20
Potassium, Total	959	1020	2060	107		-	-		75-125	-		20
Selenium, Total	ND	12.3	12.0	98		-	-		75-125	-		20
Silver, Total	ND	5.12	4.41	86		-	-		75-125	-		20
Sodium, Total	74.4J	1020	1030	100		-	-		75-125	-		20
Thallium, Total	ND	12.3	12.4	101		-	-		75-125	-		20
Vanadium, Total	27.8	51.2	77.9	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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 QC Batch ID: WG1757227-3 QC Sample: L2314262-01 Client ID: MS Sample									
Zinc, Total	78.4	51.2	137	114	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757228-3 QC Sample: L2314262-01 Client ID: MS Sample									
Mercury, Total	0.066J	1.7	1.86	109	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757227-4 QC Sample: L2314262-01 Client ID: DUP Sample						
Aluminum, Total	15000	14900	mg/kg	1		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	7.83	7.96	mg/kg	2		20
Barium, Total	72.2	78.3	mg/kg	8		20
Beryllium, Total	0.570	0.549	mg/kg	4		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	10500	12900	mg/kg	**21**	Q	20
Chromium, Total	21.5	20.9	mg/kg	3		20
Cobalt, Total	10.8	10.5	mg/kg	3		20
Copper, Total	18.8	18.3	mg/kg	3		20
Iron, Total	26400	24800	mg/kg	6		20
Lead, Total	23.3	38.5	mg/kg	**49**	Q	20
Magnesium, Total	8020	9600	mg/kg	18		20
Manganese, Total	425	459	mg/kg	8		20
Nickel, Total	25.9	24.8	mg/kg	4		20
Potassium, Total	959	994	mg/kg	4		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	74.4J	79.7J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757227-4 QC Sample: L2314262-01 Client ID: DUP Sample					
Thallium, Total	ND	0.412J	mg/kg	NC	20
Vanadium, Total	27.8	26.8	mg/kg	4	20
Zinc, Total	78.4	84.3	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757228-4 QC Sample: L2314262-01 Client ID: DUP Sample					
Mercury, Total	0.066J	0.072J	mg/kg	NC	20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2314346
Report Date: 04/03/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1757227-6 QC Sample: L2314262-01 Client ID: DUP Sample						
Aluminum, Total	15000	16100	mg/kg	7		20
Barium, Total	72.2	77.1	mg/kg	7		20
Calcium, Total	10500	11300	mg/kg	8		20
Iron, Total	26400	29900	mg/kg	13		20
Magnesium, Total	8020	8770	mg/kg	9		20
Manganese, Total	425	454	mg/kg	7		20
Vanadium, Total	27.8	30.5	mg/kg	10		20

INORGANICS
&
MISCELLANEOUS

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-01
Client ID: PH1_SB20_3-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/20/23 10:30
Date Received: 03/20/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	03/21/23 11:09	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/25/23 12:00	03/27/23 14:18	1,9010C/9012B	JER
Chromium, Hexavalent	0.374	J	mg/kg	0.881	0.176	1	03/24/23 12:50	03/24/23 21:10	1,7196A	WMT

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-02
Client ID: PH1_SB20_10-12
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/20/23 10:40
Date Received: 03/20/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	03/21/23 11:09	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/25/23 12:00	03/27/23 14:19	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.988	0.198	1	03/24/23 12:50	03/24/23 21:10	1,7196A	WMT

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2314346-03
Client ID: PH1_SB20_16-18
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/20/23 10:45
Date Received: 03/20/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	03/21/23 11:09	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/25/23 12:00	03/27/23 13:53	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.967	0.193	1	03/24/23 12:50	03/24/23 21:10	1,7196A	WMT

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2314346

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1758468-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/24/23 12:50	03/24/23 21:10	1,7196A	WMT
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1758787-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	03/25/23 12:00	03/27/23 13:47	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1758468-2								
Chromium, Hexavalent	100		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1758787-2 WG1758787-3								
Cyanide, Total	87		82		80-120	6		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1758468-4 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4												
Chromium, Hexavalent	0.374J	1070	942	88		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1758787-4 WG1758787-5 QC Sample: L2314394-10 Client ID: MS Sample												
Cyanide, Total	ND	10	9.5	94		10	95		75-125	5		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314346

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1756902-1 QC Sample: L2314462-01 Client ID: DUP Sample						
Solids, Total	86.9	86.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1758468-6 QC Sample: L2314346-01 Client ID: PH1_SB20_3-4						
Chromium, Hexavalent	0.374J	0.198J	mg/kg	NC		20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

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(*)
L2314346-01A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2314346-01B	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2314346-01C	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2314346-01D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2314346-01E	Plastic 120ml unpreserved	A	NA		2.4	Y	Absent		TS(7)
L2314346-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),SB-TI(180),CU-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),NA-TI(180),CD-TI(180),K-TI(180)
L2314346-01G	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314346-01H	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-1633-DRAFT(90)
L2314346-01J	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314346-02A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L2314346-02B	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260HLW(14)
L2314346-02C	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260HLW(14)
L2314346-02D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2314346-02E	Plastic 120ml unpreserved	A	NA		2.4	Y	Absent		TS(7)
L2314346-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2314346-02G	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314346
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2314346-02H	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-1633-DRAFT(90)
L2314346-02J	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314346-03A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L2314346-03B	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260HLW(14)
L2314346-03C	Vial water preserved	A	NA		2.4	Y	Absent	21-MAR-23 06:11	NYTCL-8260HLW(14)
L2314346-03D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2314346-03E	Plastic 120ml unpreserved	A	NA		2.4	Y	Absent		TS(7)
L2314346-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2314346-03G	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314346-03H	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-1633-DRAFT(90)
L2314346-03J	Glass 500ml/16oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314346-04A	Plastic 500ml unpreserved	A	NA		2.4	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314346
Report Date: 04/03/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314346
Project Number:	170635401	**Report Date:**	04/03/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 3/21/23

ALPHA Job #: L2314346

Client Information
Client: Langan
Address: 300 W 31ST Street NY, NY, 8TH Floor
Phone: 212-479-5400
Fax:
Email: GWyman@Langan.com

Project Information
Project Name: 691 Lenox Avenue - Phase2
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyman
ALPHAQuote #: 21538

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
cc: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs (5vocs)	1,4-Dioxane	PCB's	TAL Metals (Hg, Ni, Cr, Cu)	Organic	PCBs/Herb 5	TAL SVOC (compound list)	Sample Specific Comments	Total Bottle
L2314346-01	PHI-SB20-3-4	3/20/23	10:30	S	JF	X	X	X	X	X	X	X		
-02	PHI-SB20-10-12		10:40			↓	↓	↓	↓	↓	↓	↓		
-03	PHI-SB20-16-18		10:45	↓	↓									
-04	PHI-FB03-032023	↓	8:30	AQ	↓							X		

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

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

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

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Jade Frey	3/20/23		3/20/23
	3/20/23		3/21/23 0045
	3/21/23 0235		3/31/23 07:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2314579
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	04/03/23

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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2314579-01	PH1_SS01	SOIL	MANHATTAN, NY	03/21/23 09:30	03/21/23
L2314579-02	PH1_FB04_032123	WATER	MANHATTAN, NY	03/21/23 09:45	03/21/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
Project Number:	170635401	**Report Date:**	04/03/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

Report Submission

April 03, 2023: This final report includes the results of all requested analyses.

March 28, 2023: 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.

Volatile Organics

The WG1757731-6/-7 MS/MSD recoveries, performed on L2314579-01, are below the acceptance criteria for 1,1,2,2-tetrachloroethane (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Semivolatile Organics

The WG1757720-4 MS recovery, performed on L2314579-01, is below the acceptance criteria for hexachlorocyclopentadiene (0%), due to the concentration of this compound in the MS falling below the reported detection limit.

The WG1757720-4/-5 MS/MSD recoveries, performed on L2314579-01, are below the acceptance criteria for 4-nitrophenol (8%/7%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG1757720-5 MSD recovery, performed on L2314579-01, is below the acceptance criteria for 2,4-dinitrophenol (0%), due to the concentration of this compound in the MSD falling below the reported detection limit.

Total Metals

L2314579-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1757560-3 MS recoveries, performed on L2314579-01, are outside the acceptance criteria for copper

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
Project Number:	170635401	**Report Date:**	04/03/23

Case Narrative (continued)

(130%/171%) and potassium (MSD 127%). A post digestion spike was performed and was within acceptance criteria.

The WG1757560-3 MS recoveries for aluminum (1130%/1040%), calcium (354%/174%), iron (1940%/1850%) and magnesium (212%/14%), performed on L2314579-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1757560-3/-4 MS/MSD RPD for magnesium (26%), performed on L2314579-01, is above the acceptance criteria.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/03/23

ORGANICS

VOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/28/23 10:22
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	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	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	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	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	23		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	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	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	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	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	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	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	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	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/23 09:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1757731-12					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/23 09:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1757731-12					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/23 09:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1757731-12					
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	110		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	118		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

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 Batch: WG1757731-10 WG1757731-11								
Methylene chloride	93		86		70-130	8		30
1,1-Dichloroethane	89		85		70-130	5		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	109		100		70-130	9		30
1,2-Dichloropropane	90		87		70-130	3		30
Dibromochloromethane	105		102		70-130	3		30
1,1,2-Trichloroethane	86		84		70-130	2		30
Tetrachloroethene	102		97		70-130	5		30
Chlorobenzene	106		101		70-130	5		30
Trichlorofluoromethane	100		95		70-139	5		30
1,2-Dichloroethane	89		85		70-130	5		30
1,1,1-Trichloroethane	105		98		70-130	7		30
Bromodichloromethane	93		90		70-130	3		30
trans-1,3-Dichloropropene	89		85		70-130	5		30
cis-1,3-Dichloropropene	99		95		70-130	4		30
1,1-Dichloropropene	96		92		70-130	4		30
Bromoform	100		97		70-130	3		30
1,1,2,2-Tetrachloroethane	97		93		70-130	4		30
Benzene	94		90		70-130	4		30
Toluene	101		96		70-130	5		30
Ethylbenzene	107		100		70-130	7		30
Chloromethane	77		71		52-130	8		30
Bromomethane	103		95		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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 Batch: WG1757731-10 WG1757731-11								
Vinyl chloride	84		76		67-130	10		30
Chloroethane	107		97		50-151	10		30
1,1-Dichloroethene	95		89		65-135	7		30
trans-1,2-Dichloroethene	96		89		70-130	8		30
Trichloroethene	107		104		70-130	3		30
1,2-Dichlorobenzene	109		104		70-130	5		30
1,3-Dichlorobenzene	113		106		70-130	6		30
1,4-Dichlorobenzene	109		102		70-130	7		30
Methyl tert butyl ether	87		87		66-130	0		30
p/m-Xylene	109		101		70-130	8		30
o-Xylene	109		103		70-130	6		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Dibromomethane	94		90		70-130	4		30
Styrene	112		105		70-130	6		30
Dichlorodifluoromethane	90		82		30-146	9		30
Acetone	89		86		54-140	3		30
Carbon disulfide	**150**	Q	**139**	Q	59-130	8		30
2-Butanone	91		95		70-130	4		30
Vinyl acetate	93		86		70-130	8		30
4-Methyl-2-pentanone	87		84		70-130	4		30
1,2,3-Trichloropropane	96		92		68-130	4		30
2-Hexanone	94		95		70-130	1		30
Bromochloromethane	100		95		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

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 Batch: WG1757731-10 WG1757731-11								
2,2-Dichloropropane	98		95		70-130	3		30
1,2-Dibromoethane	94		91		70-130	3		30
1,3-Dichloropropane	90		88		69-130	2		30
1,1,1,2-Tetrachloroethane	108		103		70-130	5		30
Bromobenzene	111		106		70-130	5		30
n-Butylbenzene	116		109		70-130	6		30
sec-Butylbenzene	114		107		70-130	6		30
tert-Butylbenzene	118		111		70-130	6		30
o-Chlorotoluene	114		106		70-130	7		30
p-Chlorotoluene	113		106		70-130	6		30
1,2-Dibromo-3-chloropropane	105		102		68-130	3		30
Hexachlorobutadiene	109		104		67-130	5		30
Isopropylbenzene	113		107		70-130	5		30
p-Isopropyltoluene	119		112		70-130	6		30
Naphthalene	107		106		70-130	1		30
Acrylonitrile	90		90		70-130	0		30
n-Propylbenzene	113		106		70-130	6		30
1,2,3-Trichlorobenzene	109		107		70-130	2		30
1,2,4-Trichlorobenzene	115		110		70-130	4		30
1,3,5-Trimethylbenzene	111		104		70-130	7		30
1,2,4-Trimethylbenzene	111		104		70-130	7		30
1,4-Dioxane	88		86		65-136	2		30
p-Diethylbenzene	118		111		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

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 Batch: WG1757731-10 WG1757731-11								
p-Ethyltoluene	114		107		70-130	6		30
1,2,4,5-Tetramethylbenzene	119		113		70-130	5		30
Ethyl ether	86		83		67-130	4		30
trans-1,4-Dichloro-2-butene	109		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	93		90		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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): 01 QC Batch ID: WG1757731-6 WG1757731-7 QC Sample: L2314579-01 Client ID: PH1_SS01												
Methylene chloride	ND	109	92	84		79	74		70-130	16		30
1,1-Dichloroethane	ND	109	88	81		76	71		70-130	15		30
Chloroform	ND	109	82	75		79	74		70-130	3		30
Carbon tetrachloride	ND	109	93	85		91	85		70-130	2		30
1,2-Dichloropropane	ND	109	79	72		77	72		70-130	3		30
Dibromochloromethane	ND	109	92	84		98	92		70-130	6		30
1,1,2-Trichloroethane	ND	109	78	71		84	78		70-130	8		30
Tetrachloroethene	ND	109	68	**62**	Q	92	86		70-130	**31**	Q	30
Chlorobenzene	ND	109	72	**65**	Q	70	**65**	Q	70-130	3		30
Trichlorofluoromethane	ND	109	120	107		97	91		70-139	18		30
1,2-Dichloroethane	ND	109	68	**62**	Q	73	**69**	Q	70-130	7		30
1,1,1-Trichloroethane	ND	109	97	88		91	85		70-130	7		30
Bromodichloromethane	ND	109	72	**66**	Q	75	70		70-130	4		30
trans-1,3-Dichloropropene	ND	109	70	**64**	Q	78	73		70-130	11		30
cis-1,3-Dichloropropene	ND	109	81	74		76	71		70-130	6		30
1,1-Dichloropropene	ND	109	92	84		85	80		70-130	7		30
Bromoform	ND	109	88	81		67	**63**	Q	70-130	27		30
1,1,2,2-Tetrachloroethane	ND	109	ND	**0**	Q	ND	**0**	Q	70-130	NC		30
Benzene	ND	109	96	88		85	79		70-130	12		30
Toluene	ND	109	76	70		93	87		70-130	20		30
Ethylbenzene	ND	109	67	**61**	Q	66	**62**	Q	70-130	1		30
Chloromethane	ND	109	66	60		58	54		52-130	14		30
Bromomethane	ND	109	110	100		94	88		57-147	14		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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): 01 QC Batch ID: WG1757731-6 WG1757731-7 QC Sample: L2314579-01 Client ID: PH1_SS01												
Vinyl chloride	ND	109	86	79		74	69		67-130	15		30
Chloroethane	ND	109	120	105		99	93		50-151	15		30
1,1-Dichloroethene	ND	109	110	97		93	87		65-135	13		30
trans-1,2-Dichloroethene	ND	109	92	84		79	74		70-130	15		30
Trichloroethene	ND	109	150	**140**	Q	150	**140**	Q	70-130	3		30
1,2-Dichlorobenzene	ND	109	53	**48**	Q	50	**47**	Q	70-130	6		30
1,3-Dichlorobenzene	ND	109	44	**40**	Q	50	**46**	Q	70-130	13		30
1,4-Dichlorobenzene	ND	109	45	**41**	Q	47	**44**	Q	70-130	4		30
Methyl tert butyl ether	ND	109	110	98		88	82		66-130	20		30
p/m-Xylene	ND	218	130	**60**	Q	130	**62**	Q	70-130	1		30
o-Xylene	ND	218	140	**63**	Q	160	73		70-130	12		30
cis-1,2-Dichloroethene	ND	109	83	76		79	74		70-130	6		30
Dibromomethane	ND	109	67	**61**	Q	73	**68**	Q	70-130	9		30
Styrene	ND	218	140	**62**	Q	160	74		70-130	16		30
Dichlorodifluoromethane	ND	109	110	101		91	86		30-146	18		30
Acetone	23	109	98	69		73	**47**	Q	54-140	30		30
Carbon disulfide	ND	109	140	128		120	112		59-130	15		30
2-Butanone	ND	109	70	**64**	Q	64	**60**	Q	70-130	10		30
Vinyl acetate	ND	109	14	**13**	Q	12	**11**	Q	70-130	21		30
4-Methyl-2-pentanone	ND	109	65	**60**	Q	83	78		70-130	24		30
1,2,3-Trichloropropane	ND	109	78	71		72	68		68-130	8		30
2-Hexanone	ND	109	67	**61**	Q	51	**48**	Q	70-130	27		30
Bromochloromethane	ND	109	88	80		78	73		70-130	12		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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): 01 QC Batch ID: WG1757731-6 WG1757731-7 QC Sample: L2314579-01 Client ID: PH1_SS01												
2,2-Dichloropropane	ND	109	95	86		92	86		70-130	3		30
1,2-Dibromoethane	ND	109	77	70		73	**68**	Q	70-130	5		30
1,3-Dichloropropane	ND	109	68	**63**	Q	85	80		69-130	22		30
1,1,1,2-Tetrachloroethane	ND	109	88	81		83	78		70-130	6		30
Bromobenzene	ND	109	68	**62**	Q	62	**58**	Q	70-130	8		30
n-Butylbenzene	ND	109	36	**33**	Q	44	**41**	Q	70-130	20		30
sec-Butylbenzene	ND	109	39	**36**	Q	53	**50**	Q	70-130	29		30
tert-Butylbenzene	ND	109	58	**53**	Q	58	**54**	Q	70-130	1		30
o-Chlorotoluene	ND	109	54	**49**	Q	56	**52**	Q	70-130	4		30
p-Chlorotoluene	ND	109	49	**45**	Q	53	**50**	Q	70-130	8		30
1,2-Dibromo-3-chloropropane	ND	109	75	69		59	**55**	Q	68-130	25		30
Hexachlorobutadiene	ND	109	40	**36**	Q	40	**38**	Q	67-130	1		30
Isopropylbenzene	ND	109	53	**49**	Q	59	**56**	Q	70-130	11		30
p-Isopropyltoluene	ND	109	39	**35**	Q	50	**47**	Q	70-130	26		30
Naphthalene	ND	109	35	**32**	Q	40	**38**	Q	70-130	15		30
Acrylonitrile	ND	109	75	**68**	Q	62	**58**	Q	70-130	20		30
n-Propylbenzene	ND	109	52	**48**	Q	55	**52**	Q	70-130	6		30
1,2,3-Trichlorobenzene	ND	109	27	**24**	Q	32	**30**	Q	70-130	18		30
1,2,4-Trichlorobenzene	ND	109	37	**34**	Q	34	**32**	Q	70-130	9		30
1,3,5-Trimethylbenzene	ND	109	49	**45**	Q	54	**51**	Q	70-130	10		30
1,2,4-Trimethylbenzene	ND	109	40	**36**	Q	52	**48**	Q	70-130	27		30
1,4-Dioxane	ND	5460	4600	84		4500	84		65-136	3		30
p-Diethylbenzene	ND	109	38	**34**	Q	45	**42**	Q	70-130	17		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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): 01 QC Batch ID: WG1757731-6 WG1757731-7 QC Sample: L2314579-01 Client ID: PH1_SS01												
p-Ethyltoluene	ND	109	45	**41**	Q	54	**51**	Q	70-130	19		30
1,2,4,5-Tetramethylbenzene	ND	109	41	**37**	Q	42	**39**	Q	70-130	2		30
Ethyl ether	ND	109	100	91		82	77		67-130	20		30
trans-1,4-Dichloro-2-butene	ND	109	56	**51**	Q	60	**56**	Q	70-130	7		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		89		70-130
4-Bromofluorobenzene	88		96		70-130
Dibromofluoromethane	79		75		70-130
Toluene-d8	94		123		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/24/23 10:33
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/23/23 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	41	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	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	280		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	32	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	140		ug/kg	110	20.	1
Benzo(a)pyrene	120	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	140		ug/kg	110	30.	1
Benzo(k)fluoranthene	54	J	ug/kg	110	29.	1
Chrysene	130		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	72	J	ug/kg	110	35.	1
Benzo(ghi)perylene	73	J	ug/kg	140	21.	1
Fluorene	54	J	ug/kg	180	18.	1
Phenanthrene	260		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	76	J	ug/kg	140	25.	1
Pyrene	260		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	32	J	ug/kg	180	17.	1
2-Methylnaphthalene	30	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	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	74.	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	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	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	31		10-136
4-Terphenyl-d14	48		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/30/23 18:55
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 03/30/23 05:15
Cleanup Method: EPA 1633
Cleanup Date: 03/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.797	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.797	0.081	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	0.096	J	ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.797	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.303		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.386	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.797	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.797	0.146	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.797	0.195	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.797	0.166	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.100	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.112	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.249	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.508	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.083	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.095	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.143	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.503	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	1.75	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	46		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	80		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	96		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	70		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	61		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	91		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	77		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	40		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	52		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	45		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-02
Client ID: PH1_FB04_032123
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:45
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/30/23 13:30
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.68	0.908	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.84	0.759	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.42	0.476	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.68	1.48	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.42	0.419	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.42	0.248	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.42	0.284	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.42	0.341	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.42	0.618	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.68	1.92	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.42	0.383	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.42	0.447	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.42	0.646	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.42	0.575	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.68	2.21	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.42	0.440	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.42	0.774	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.42	0.618	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.42	0.326	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.42	0.383	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.42	0.766	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.42	0.653	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.42	0.532	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.42	0.376	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.68	0.795	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.68	0.894	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.42	0.539	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-02 Date Collected: 03/21/23 09:45

Client ID: PH1_FB04_032123 Date Received: 03/21/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.68	1.17	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.68	1.17	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.42	0.618	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.42	0.653	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.2	3.34	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.2	1.74	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.84	0.404	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.84	0.376	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.84	0.312	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.84	1.68	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.10	2.34	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	35.5	8.30	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	35.5	5.60	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-02 Date Collected: 03/21/23 09:45

Client ID: PH1_FB04_032123 Date Received: 03/21/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	82		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	70		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	80		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	61		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	52		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	61		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1757720-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1757720-1					
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	22.
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	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/23/23 01:36
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 03/22/23 18:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1757720-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	61		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1760224-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1760224-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 10:57
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 03/29/23 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1760224-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	49		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 18:03
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/30/23 05:15
Cleanup Method: EPA 1633
Cleanup Date: 03/30/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1760240-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 18:03
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/30/23 05:15
Cleanup Method: EPA 1633
Cleanup Date: 03/30/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1760240-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/30/23 18:03
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 03/30/23 05:15
Cleanup Method: EPA 1633
Cleanup Date: 03/30/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1760240-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	96		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	118		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	99		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	141		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	40		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	38		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	54		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	46		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1757720-2 WG1757720-3								
Acenaphthene	62		72		31-137	15		50
1,2,4-Trichlorobenzene	59		79		38-107	29		50
Hexachlorobenzene	74		88		40-140	17		50
Bis(2-chloroethyl)ether	53		63		40-140	17		50
2-Chloronaphthalene	60		71		40-140	17		50
1,2-Dichlorobenzene	55		70		40-140	24		50
1,3-Dichlorobenzene	56		70		40-140	22		50
1,4-Dichlorobenzene	55		68		28-104	21		50
3,3'-Dichlorobenzidine	67		77		40-140	14		50
2,4-Dinitrotoluene	60		75		40-132	22		50
2,6-Dinitrotoluene	70		86		40-140	21		50
Fluoranthene	64		81		40-140	23		50
4-Chlorophenyl phenyl ether	65		78		40-140	18		50
4-Bromophenyl phenyl ether	69		84		40-140	20		50
Bis(2-chloroisopropyl)ether	42		58		40-140	32		50
Bis(2-chloroethoxy)methane	51		64		40-117	23		50
Hexachlorobutadiene	69		82		40-140	17		50
Hexachlorocyclopentadiene	67		74		40-140	10		50
Hexachloroethane	54		75		40-140	33		50
Isophorone	54		66		40-140	20		50
Naphthalene	57		68		40-140	18		50
Nitrobenzene	54		67		40-140	21		50
NDPA/DPA	66		78		36-157	17		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1757720-2 WG1757720-3								
n-Nitrosodi-n-propylamine	51		69		32-121	30		50
Bis(2-ethylhexyl)phthalate	65		84		40-140	26		50
Butyl benzyl phthalate	69		90		40-140	26		50
Di-n-butylphthalate	66		76		40-140	14		50
Di-n-octylphthalate	70		87		40-140	22		50
Diethyl phthalate	66		84		40-140	24		50
Dimethyl phthalate	60		79		40-140	27		50
Benzo(a)anthracene	61		74		40-140	19		50
Benzo(a)pyrene	77		94		40-140	20		50
Benzo(b)fluoranthene	69		86		40-140	22		50
Benzo(k)fluoranthene	75		81		40-140	8		50
Chrysene	62		73		40-140	16		50
Acenaphthylene	65		79		40-140	19		50
Anthracene	62		73		40-140	16		50
Benzo(ghi)perylene	63		75		40-140	17		50
Fluorene	63		76		40-140	19		50
Phenanthrene	61		70		40-140	14		50
Dibenzo(a,h)anthracene	60		73		40-140	20		50
Indeno(1,2,3-cd)pyrene	64		77		40-140	18		50
Pyrene	64		76		35-142	17		50
Biphenyl	61		69		37-127	12		50
4-Chloroaniline	58		64		40-140	10		50
2-Nitroaniline	63		83		47-134	27		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1757720-2 WG1757720-3								
3-Nitroaniline	65		71		26-129	9		50
4-Nitroaniline	73		91		41-125	22		50
Dibenzofuran	64		80		40-140	22		50
2-Methylnaphthalene	65		71		40-140	9		50
1,2,4,5-Tetrachlorobenzene	74		80		40-117	8		50
Acetophenone	61		78		14-144	24		50
2,4,6-Trichlorophenol	73		87		30-130	18		50
p-Chloro-m-cresol	70		75		26-103	7		50
2-Chlorophenol	66		77		25-102	15		50
2,4-Dichlorophenol	63		78		30-130	21		50
2,4-Dimethylphenol	59		76		30-130	25		50
2-Nitrophenol	58		76		30-130	27		50
4-Nitrophenol	65		82		11-114	23		50
2,4-Dinitrophenol	60		72		4-130	18		50
4,6-Dinitro-o-cresol	70		89		10-130	24		50
Pentachlorophenol	70		87		17-109	22		50
Phenol	56		68		26-90	19		50
2-Methylphenol	60		79		30-130.	27		50
3-Methylphenol/4-Methylphenol	61		82		30-130	29		50
2,4,5-Trichlorophenol	75		86		30-130	14		50
Benzoic Acid	50		64		10-110	25		50
Benzyl Alcohol	48		61		40-140	24		50
Carbazole	62		78		54-128	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1757720-2 WG1757720-3								
1,4-Dioxane	41		54		40-140	27		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		90		25-120
Phenol-d6	64		79		10-120
Nitrobenzene-d5	58		69		23-120
2-Fluorobiphenyl	62		77		30-120
2,4,6-Tribromophenol	89		113		10-136
4-Terphenyl-d14	72		84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	102		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	85		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	85		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	83		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	80		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	88		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	82		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	94		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	106		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	101		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	80		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	91		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	106		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	91		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	101		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	122		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	64		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	71				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	52				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	60				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-3								
Perfluorobutanoic Acid (PFBA)	107		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	102		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	92		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-3								
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	107		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	94		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	123		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	114		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	105		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	118		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	103		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	108		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	137		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	106		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	141		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	86		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1760224-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	66				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	97				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	55				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	59				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	81		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	99		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	95		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	104		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	92		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	110		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	104		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	90		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	88		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	75		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	108		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	95		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	104		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	102		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	57		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	101		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	69		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	82		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	108		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	103		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	98		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	99		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	100		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	96		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	92		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	76		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	52		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	100				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	101				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	101				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	105				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	100				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	99				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	94				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	103				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	105				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	98				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	38				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	36				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	49				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	47				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-3								
Perfluorobutanoic Acid (PFBA)	95		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	99		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	98		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	95		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	96		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	97		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	93		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	77		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	78		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	93		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	114		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	77		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-3								
Perfluorotridecanoic Acid (PFTrDA)	72		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	101		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	97		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	99		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	56		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	99		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	78		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	101		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	99		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	95		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	97		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	97		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	106		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	91		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	85		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	53		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1760240-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	88				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	98				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	55				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	88				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	34				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	33				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	49				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	47				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757720-4 WG1757720-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
Acenaphthene	41J	1460	880	60		800	55		31-137	10		50
1,2,4-Trichlorobenzene	ND	1460	830	57		780	53		38-107	6		50
Hexachlorobenzene	ND	1460	890	61		830	57		40-140	7		50
Bis(2-chloroethyl)ether	ND	1460	700	48		660	45		40-140	6		50
2-Chloronaphthalene	ND	1460	860	59		790	54		40-140	8		50
1,2-Dichlorobenzene	ND	1460	740	51		700	48		40-140	6		50
1,3-Dichlorobenzene	ND	1460	720	49		670	46		40-140	7		50
1,4-Dichlorobenzene	ND	1460	730	50		680	46		28-104	7		50
3,3'-Dichlorobenzidine	ND	1460	610	42		650	44		40-140	6		50
2,4-Dinitrotoluene	ND	1460	810	55		780	53		40-132	4		50
2,6-Dinitrotoluene	ND	1460	960	66		900	61		40-140	6		50
Fluoranthene	280	1460	1100	56		920	44		40-140	18		50
4-Chlorophenyl phenyl ether	ND	1460	820	56		770	52		40-140	6		50
4-Bromophenyl phenyl ether	ND	1460	860	59		800	55		40-140	7		50
Bis(2-chloroisopropyl)ether	ND	1460	690	47		630	43		40-140	9		50
Bis(2-chloroethoxy)methane	ND	1460	740	51		690	47		40-117	7		50
Hexachlorobutadiene	ND	1460	770	53		710	48		40-140	8		50
Hexachlorocyclopentadiene	ND	1460	ND	**0**	Q	190J	**13**	Q	40-140	NC		50
Hexachloroethane	ND	1460	700	48		610	42		40-140	14		50
Isophorone	ND	1460	740	51		690	47		40-140	7		50
Naphthalene	32J	1460	860	59		760	52		40-140	12		50
Nitrobenzene	ND	1460	780	53		730	50		40-140	7		50
NDPA/DPA	ND	1460	850	58		800	55		36-157	6		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757720-4 WG1757720-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
n-Nitrosodi-n-propylamine	ND	1460	720	49		680	46		32-121	6		50
Bis(2-ethylhexyl)phthalate	ND	1460	890	61		1000	68		40-140	12		50
Butyl benzyl phthalate	ND	1460	720	49		660	45		40-140	9		50
Di-n-butylphthalate	ND	1460	800	55		730	50		40-140	9		50
Di-n-octylphthalate	ND	1460	730	50		700	48		40-140	4		50
Diethyl phthalate	ND	1460	790	54		750	51		40-140	5		50
Dimethyl phthalate	ND	1460	820	56		790	54		40-140	4		50
Benzo(a)anthracene	140	1460	890	51		820	46		40-140	8		50
Benzo(a)pyrene	120J	1460	820	56		750	51		40-140	9		50
Benzo(b)fluoranthene	140	1460	870	50		780	44		40-140	11		50
Benzo(k)fluoranthene	54J	1460	760	52		730	50		40-140	4		50
Chrysene	130	1460	890	52		820	47		40-140	8		50
Acenaphthylene	ND	1460	890	61		830	57		40-140	7		50
Anthracene	72J	1460	910	62		830	57		40-140	9		50
Benzo(ghi)perylene	73J	1460	780	53		710	48		40-140	9		50
Fluorene	54J	1460	920	63		830	57		40-140	10		50
Phenanthrene	260	1460	1100	58		960	48		40-140	14		50
Dibenzo(a,h)anthracene	ND	1460	690	47		660	45		40-140	4		50
Indeno(1,2,3-cd)pyrene	76J	1460	840	58		770	52		40-140	9		50
Pyrene	260	1460	1000	51		900	44		35-142	11		50
Biphenyl	ND	1460	910	62		820	56		37-127	10		50
4-Chloroaniline	ND	1460	500	**34**	Q	520	**35**	Q	40-140	4		50
2-Nitroaniline	ND	1460	940	64		920	63		47-134	2		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757720-4 WG1757720-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
3-Nitroaniline	ND	1460	730	50		750	51		26-129	3		50
4-Nitroaniline	ND	1460	780	53		870	59		41-125	11		50
Dibenzofuran	32J	1460	880	60		810	55		40-140	8		50
2-Methylnaphthalene	30J	1460	890	61		780	53		40-140	13		50
1,2,4,5-Tetrachlorobenzene	ND	1460	930	64		860	59		40-117	8		50
Acetophenone	ND	1460	770	53		710	48		14-144	8		50
2,4,6-Trichlorophenol	ND	1460	390	**27**	Q	290	**20**	Q	30-130	29		50
p-Chloro-m-cresol	ND	1460	880	60		800	55		26-103	10		50
2-Chlorophenol	ND	1460	720	49		650	44		25-102	10		50
2,4-Dichlorophenol	ND	1460	800	55		700	48		30-130	13		50
2,4-Dimethylphenol	ND	1460	840	58		790	54		30-130	6		50
2-Nitrophenol	ND	1460	740	51		620	42		30-130	18		50
4-Nitrophenol	ND	1460	120J	**8**	Q	100J	**7**	Q	11-114	18		50
2,4-Dinitrophenol	ND	1460	94J	6		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1460	290J	20		160J	11		10-130	**58**	Q	50
Pentachlorophenol	ND	1460	290	20		170	**12**	Q	17-109	**52**	Q	50
Phenol	ND	1460	750	51		680	46		26-90	10		50
2-Methylphenol	ND	1460	810	55		750	51		30-130.	8		50
3-Methylphenol/4-Methylphenol	ND	1460	810	55		760	52		30-130	6		50
2,4,5-Trichlorophenol	ND	1460	720	49		600	41		30-130	18		50
Benzoic Acid	ND	1460	240J	16		220J	15		10-110	9		50
Benzyl Alcohol	ND	1460	770	53		720	49		40-140	7		50
Carbazole	24J	1460	870	60		810	55		54-128	7		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757720-4 WG1757720-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
1,4-Dioxane	ND	1460	490	**34**	Q	450	**31**	Q	40-140	9		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	40		31		10-136
2-Fluorobiphenyl	61		55		30-120
2-Fluorophenol	42		36		25-120
4-Terphenyl-d14	52		49		18-120
Nitrobenzene-d5	59		54		23-120
Phenol-d6	56		50		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1760240-4 WG1760240-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
Perfluorobutanoic Acid (PFBA)	ND	7.79	6.84	88		7.32	92		40-150	7		30
Perfluoropentanoic Acid (PFPeA)	ND	3.89	3.46	89		3.72	94		40-150	7		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.73	1.48	86		1.60	91		40-150	8		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	7.3	6.79	93		7.00	94		40-150	3		30
Perfluorohexanoic Acid (PFHxA)	ND	1.95	1.72	88		1.98	100		40-150	14		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	1.83	1.67	91		1.81	97		40-150	8		30
Perfluoroheptanoic Acid (PFHpA)	ND	1.95	1.71	88		1.82	92		40-150	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.78	1.53	86		1.66	92		40-150	8		30
Perfluorooctanoic Acid (PFOA)	0.096J	1.95	1.80	88		2.03	97		40-150	12		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.4	6.84	93		7.05	94		40-150	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.86	1.70	92		1.66	88		40-150	2		30
Perfluorononanoic Acid (PFNA)	ND	1.95	1.95	100		1.95	98		40-150	0		30
Perfluorooctanesulfonic Acid (PFOS)	0.303	1.81	1.86	86		1.81	82		40-150	3		30
Perfluorodecanoic Acid (PFDA)	ND	1.95	2.09	107		2.14	108		40-150	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.48	6.94	93		7.53	99		40-150	8		30
Perfluorononanesulfonic Acid (PFNS)	ND	1.87	1.64	88		1.72	90		40-150	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.95	1.64	84		2.18	110		40-150	28		30
Perfluoroundecanoic Acid (PFUnA)	ND	1.95	1.80	93		1.60	81		40-150	12		30
Perfluorodecanesulfonic Acid (PFDS)	ND	1.88	1.48	79		1.57	82		40-150	6		30
Perfluorooctanesulfonamide (PFOSA)	ND	1.95	1.76	90		1.89	95		40-150	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.95	1.96	101		1.79	90		40-150	9		30
Perfluorododecanoic Acid (PFDoA)	ND	1.95	1.89	97		2.16	109		40-150	13		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1760240-4 WG1760240-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
Perfluorotridecanoic Acid (PFTrDA)	ND	1.95	1.74	89		1.82	92		40-150	4		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	1.95	1.62	83		1.94	98		40-150	18		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	7.79	7.41	95		8.98	113		40-150	19		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	7.36	7.27	99		7.82	104		40-150	7		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	1.89	1.24	66		1.27	66		40-150	2		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	7.28	7.96	109		8.32	112		40-150	4		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	7.36	6.55	89		7.62	102		40-150	15		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.95	1.77	91		1.92	97		40-150	8		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.95	1.80	93		2.07	104		40-150	14		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	19.5	17.8	91		20.4	103		40-150	14		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	19.5	16.3	84		20.0	101		40-150	20		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.89	3.41	88		3.63	91		40-150	6		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.89	3.61	93		3.89	98		40-150	7		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.46	3.14	91		3.51	99		40-150	11		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.89	3.66	94		3.61	91		40-150	1		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	9.73	6.56	67		7.38	74		40-150	12		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	48.7	30.4	63		34.8	70		40-150	13		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	48.7	23.3	48		29.7	60		40-150	24		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1760240-4 WG1760240-5 QC Sample: L2314579-01 Client ID: PH1_SS01

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		93		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	80		82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		79		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	50		48		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		64		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	55		49		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	45		42		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68		57		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	50		47		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		83		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		55		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		83		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		88		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79		98		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76		86		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74		78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		78		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		70		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80		80		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		78		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		86		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2314579

Project Number: 170635401 ***Report Date:*** 04/03/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1760240-4 WG1760240-5 QC Sample: L2314579-01 Client ID: PH1_SS01												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	74		75		20-150

PCBS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/24/23 00:51
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/23/23 11:16
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.10	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.41	1	A
Aroclor 1242	ND		ug/kg	35.0	4.71	1	A
Aroclor 1248	ND		ug/kg	35.0	5.24	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.46	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/23/23 12:37
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1757748-1						
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	95		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1757748-2 WG1757748-3									
Aroclor 1016	102		104		40-140	2		50	A
Aroclor 1260	87		89		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		93		30-150	A
Decachlorobiphenyl	86		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		89		30-150	B
Decachlorobiphenyl	81		82		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757748-4 WG1757748-5 QC Sample: L2314579-01 Client ID: PH1_SS01													
Aroclor 1016	ND	220	148	67		138	63		40-140	7		50	A
Aroclor 1260	ND	220	125	57		114	52		40-140	9		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		62		30-150	A
Decachlorobiphenyl	54		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		57		30-150	B
Decachlorobiphenyl	50		47		30-150	B

PESTICIDES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/24/23 09:06
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/23/23 13:15
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	6.03		ug/kg	0.860	0.385	1	B
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	4.35		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	3.52		ug/kg	1.07	0.537	1	A
4,4'-DDE	1.40	J	ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	4.52		ug/kg	1.72	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	41.0		ug/kg	2.15	0.599	1	A
trans-Chlordane	34.2		ug/kg	2.15	0.567	1	B
Chlordane	253	P	ug/kg	14.3	5.69	1	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	68		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY

Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/25/23 23:55
Analyst: EJL
Percent Solids: 91%
Methylation Date: 03/25/23 14:44

Extraction Method: EPA 8151A
Extraction Date: 03/24/23 11:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.67	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	46		30-150	A
DCAA	31		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/23 19:31
Analyst: MSF

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1757751-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.629	0.281	A
Alpha-BHC	ND		ug/kg	0.629	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.755	0.338	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.83	0.850	A
Endrin	ND		ug/kg	0.629	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.661	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.944	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	1.51	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.629	0.300	A
Methoxychlor	ND		ug/kg	2.83	0.881	A
Toxaphene	ND		ug/kg	28.3	7.93	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.498	A
Chlordane	ND		ug/kg	12.6	5.00	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/23 19:31
Analyst: MSF

Extraction Method: EPA 3546
Extraction Date: 03/22/23 21:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1757751-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/25/23 23:00
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 03/24/23 11:24

Methylation Date: 03/25/23 14:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1758508-1						
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	78		30-150	A
DCAA	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1757751-2 WG1757751-3									
Delta-BHC	93		85		30-150	9		30	A
Lindane	89		81		30-150	9		30	A
Alpha-BHC	91		83		30-150	9		30	A
Beta-BHC	105		87		30-150	19		30	A
Heptachlor	89		80		30-150	11		30	A
Aldrin	85		77		30-150	10		30	A
Heptachlor epoxide	77		70		30-150	10		30	A
Endrin	82		78		30-150	5		30	A
Endrin aldehyde	59		57		30-150	3		30	A
Endrin ketone	78		75		30-150	4		30	A
Dieldrin	88		84		30-150	5		30	A
4,4'-DDE	79		76		30-150	4		30	A
4,4'-DDD	91		86		30-150	6		30	A
4,4'-DDT	77		74		30-150	4		30	A
Endosulfan I	79		75		30-150	5		30	A
Endosulfan II	83		80		30-150	4		30	A
Endosulfan sulfate	59		58		30-150	2		30	A
Methoxychlor	77		75		30-150	3		30	A
cis-Chlordane	77		74		30-150	4		30	A
trans-Chlordane	85		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1757751-2 WG1757751-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		69		30-150	A
Decachlorobiphenyl	85		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	B
Decachlorobiphenyl	85		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1758508-2 WG1758508-3									
2,4-D	74		82		30-150	10		30	A
2,4,5-T	75		84		30-150	11		30	A
2,4,5-TP (Silvex)	76		84		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	70		81		30-150	A
DCAA	49		60		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757751-4 WG1757751-5 QC Sample: L2314579-01 Client ID: PH1_SS01													
Delta-BHC	ND	34.8	14.1	41		11.8	33		30-150	18		50	A
Lindane	ND	34.8	24.1	69		23.0	64		30-150	5		50	A
Alpha-BHC	ND	34.8	25.0	72		24.4	68		30-150	2		50	A
Beta-BHC	ND	34.8	25.5	73		23.8	66		30-150	7		50	A
Heptachlor	6.03	34.8	36.8	88		36.4	84		30-150	1		50	B
Aldrin	ND	34.8	27.8	80		25.2	70		30-150	10		50	A
Heptachlor epoxide	4.35	34.8	29.7	73		25.9	60		30-150	14		50	A
Endrin	ND	34.8	27.2	78		24.4	68		30-150	11		50	A
Endrin aldehyde	ND	34.8	15.5	45		14.6	41		30-150	6		50	A
Endrin ketone	ND	34.8	22.0	63		20.6	57		30-150	7		50	A
Dieldrin	3.52	34.8	31.7	81		28.4	69		30-150	11		50	A
4,4'-DDE	1.40J	34.8	26.7	77		24.0	67		30-150	11		50	A
4,4'-DDD	ND	34.8	28.2	81		25.0	69		30-150	12		50	A
4,4'-DDT	4.52	34.8	28.7	69		26.5	61		30-150	8		50	A
Endosulfan I	ND	34.8	24.3	70		22.6	63		30-150	7		50	A
Endosulfan II	ND	34.8	23.7	68		22.2	62		30-150	7		50	A
Endosulfan sulfate	ND	34.8	14.0	40		13.1	36		30-150	7		50	A
Methoxychlor	ND	34.8	24.2	70		21.9	61		30-150	10		50	A
cis-Chlordane	41.0	34.8	60.3	55		62.0	58		30-150	3		50	A
trans-Chlordane	34.2	34.8	60.6	76		63.8	82		30-150	5		50	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2314579

Project Number: 170635401 ***Report Date:*** 04/03/23

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757751-4 WG1757751-5 QC Sample: L2314579-01 Client ID: PH1_SS01												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	71		65		30-150	A
Decachlorobiphenyl	61		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		75		30-150	B
Decachlorobiphenyl	81		76		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

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 QC Batch ID: WG1758508-4 WG1758508-5 QC Sample: L2314579-01 Client ID: PH1_SS01													
2,4-D	ND	183	146J	80		135J	74		30-150	8		30	A
2,4,5-T	ND	183	145J	79		136J	75		30-150	6		30	A
2,4,5-TP (Silvex)	ND	183	151J	83		140J	77		30-150	8		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	79		73		30-150	A
DCAA	53		48		30-150	B

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01 Date Collected: 03/21/23 09:30

Client ID: PH1_SS01 Date Received: 03/21/23

Sample Location: 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	8610		mg/kg	8.59	2.32	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Antimony, Total	1.00	J	mg/kg	4.29	0.326	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Arsenic, Total	2.64		mg/kg	0.859	0.179	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Barium, Total	60.1		mg/kg	0.859	0.149	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.500		mg/kg	0.429	0.028	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.197	J	mg/kg	0.859	0.084	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Calcium, Total	16300		mg/kg	8.59	3.01	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Chromium, Total	19.8		mg/kg	0.859	0.082	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Cobalt, Total	6.71		mg/kg	1.72	0.142	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Copper, Total	23.0		mg/kg	0.859	0.222	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Iron, Total	14100		mg/kg	4.29	0.776	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Lead, Total	39.6		mg/kg	4.29	0.230	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Magnesium, Total	5680		mg/kg	8.59	1.32	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Manganese, Total	215		mg/kg	0.859	0.136	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Mercury, Total	0.054	J	mg/kg	0.078	0.051	1	03/27/23 17:23	03/27/23 19:13	EPA 7471B	1,7471B	DMB
Nickel, Total	14.7		mg/kg	2.15	0.208	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Potassium, Total	1620		mg/kg	215	12.4	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.72	0.222	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.429	0.243	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Sodium, Total	196		mg/kg	172	2.70	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Thallium, Total	0.334	J	mg/kg	1.72	0.270	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Vanadium, Total	23.9		mg/kg	0.859	0.174	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
Zinc, Total	58.8		mg/kg	4.29	0.252	2	03/27/23 16:58	03/27/23 19:15	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19.1	J	mg/kg	0.883	0.883	1		03/27/23 19:15	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1757560-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Iron, Total	ND		mg/kg	2.00	0.361	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Sodium, Total	1.92	J	mg/kg	80.0	1.26	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/27/23 16:58	03/27/23 18:53	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1757561-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/27/23 17:23	03/27/23 19:07	1,7471B	DMB

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1757560-2 SRM Lot Number: D116-540								
Aluminum, Total	66		-		45-155	-		
Antimony, Total	173		-		2-205	-		
Arsenic, Total	94		-		82-119	-		
Barium, Total	94		-		82-118	-		
Beryllium, Total	89		-		82-118	-		
Cadmium, Total	97		-		82-118	-		
Calcium, Total	90		-		81-119	-		
Chromium, Total	90		-		81-118	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	90		-		83-117	-		
Iron, Total	78		-		58-142	-		
Lead, Total	92		-		83-117	-		
Magnesium, Total	79		-		75-125	-		
Manganese, Total	85		-		82-118	-		
Nickel, Total	100		-		82-118	-		
Potassium, Total	77		-		68-131	-		
Selenium, Total	96		-		78-122	-		
Silver, Total	89		-		79-121	-		
Sodium, Total	87		-		71-130	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	88		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1757560-2 SRM Lot Number: D116-540					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1757561-2 SRM Lot Number: D116-540					
Mercury, Total	97	-	58-142	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1757560-3 WG1757560-4 QC Sample: L2314579-01 Client ID: PH1_SS01												
Aluminum, Total	8610	175	10600	**1130**	Q	10400	**1040**	Q	75-125	2		20
Antimony, Total	1.00J	43.8	42.6	97		39.9	92		75-125	7		20
Arsenic, Total	2.64	10.5	13.4	102		12.9	99		75-125	4		20
Barium, Total	60.1	175	243	104		239	104		75-125	2		20
Beryllium, Total	0.500	4.38	5.03	103		4.88	102		75-125	3		20
Cadmium, Total	0.197J	4.65	4.72	102		4.41	96		75-125	7		20
Calcium, Total	16300	877	19400	**354**	Q	17800	**174**	Q	75-125	9		20
Chromium, Total	19.8	17.5	39.1	110		38.5	108		75-125	2		20
Cobalt, Total	6.71	43.8	48.8	96		46.9	93		75-125	4		20
Copper, Total	23.0	21.9	51.6	**130**	Q	59.9	**171**	Q	75-125	15		20
Iron, Total	14100	87.7	15800	**1940**	Q	15700	**1850**	Q	75-125	1		20
Lead, Total	39.6	46.5	86.7	101		89.1	108		75-125	3		20
Magnesium, Total	5680	877	7540	**212**	Q	5800	**14**	Q	75-125	**26**	Q	20
Manganese, Total	215	43.8	254	89		266	118		75-125	5		20
Nickel, Total	14.7	43.8	55.6	93		53.8	91		75-125	3		20
Potassium, Total	1620	877	2610	113		2720	**127**	Q	75-125	4		20
Selenium, Total	ND	10.5	9.62	91		9.22	89		75-125	4		20
Silver, Total	ND	4.38	4.38	100		4.16	96		75-125	5		20
Sodium, Total	196	877	1120	105		1120	107		75-125	0		20
Thallium, Total	0.334J	10.5	10.8	103		10.4	100		75-125	4		20
Vanadium, Total	23.9	43.8	71.3	108		69.2	105		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

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 QC Batch ID: WG1757560-3 WG1757560-4 QC Sample: L2314579-01 Client ID: PH1_SS01									
Zinc, Total	58.8	43.8	107	110	98.9	93	75-125	8	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1757561-3 WG1757561-4 QC Sample: L2314579-01 Client ID: PH1_SS01									
Mercury, Total	0.054J	1.72	1.74	101	1.62	103	80-120	7	20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2314579
Report Date: 04/03/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1757560-6 QC Sample: L2314579-01 Client ID: PH1_SS01						
Aluminum, Total	8610	8880	mg/kg	3		20
Barium, Total	60.1	62.8	mg/kg	4		20
Calcium, Total	16300	17300	mg/kg	6		20
Copper, Total	23.0	23.4	mg/kg	2		20
Iron, Total	14100	15300	mg/kg	9		20
Magnesium, Total	5680	5860	mg/kg	3		20
Manganese, Total	215	234	mg/kg	9		20
Vanadium, Total	23.9	25.2	mg/kg	5		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2314579
Report Date: 04/03/23

SAMPLE RESULTS

Lab ID: L2314579-01
Client ID: PH1_SS01
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/21/23 09:30
Date Received: 03/21/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	03/22/23 07:57	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/28/23 11:40	03/28/23 15:09	1,9010C/9012B	JER
Chromium, Hexavalent	0.662	J	mg/kg	0.883	0.177	1	03/26/23 08:33	03/27/23 16:34	1,7196A	LOF

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2314579

Project Number: 170635401 **Report Date:** 04/03/23

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 Batch: WG1758896-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/26/23 08:33	03/27/23 16:34	1,7196A	LOF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1759612-1										
Cyanide, Total	ND		mg/kg	0.85	0.18	1	03/28/23 11:40	03/28/23 15:05	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1758896-2								
Chromium, Hexavalent	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1759612-2 WG1759612-3								
Cyanide, Total	92		82		80-120	11		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1758896-4 WG1758896-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
Chromium, Hexavalent	0.662J	1680	1650	98		1210	106		75-125	8		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1759612-4 WG1759612-5 QC Sample: L2314579-01 Client ID: PH1_SS01												
Cyanide, Total	ND	10	11	100		11	110		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2314579

Report Date: 04/03/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1757377-1 QC Sample: L2314579-01 Client ID: PH1_SS01						
Solids, Total	90.6	90.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1758896-7 QC Sample: L2314579-01 Client ID: PH1_SS01						
Chromium, Hexavalent	0.662J	0.552J	mg/kg	NC		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

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(*)
L2314579-01A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2314579-01A1	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2314579-01A2	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2314579-01B	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01B1	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01B2	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01C	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01C1	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01C2	Vial water preserved	A	NA		2.1	Y	Absent	22-MAR-23 02:00	NYTCL-8260HLW(14)
L2314579-01D	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2314579-01D1	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2314579-01D2	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2314579-01E	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2314579-01E1	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2314579-01E2	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2314579-01F	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2314579
Report Date: 04/03/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2314579-01F1	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2314579-01F2	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2314579-01G	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01G1	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01G2	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01H	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01H1	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01H2	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2314579-01I	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-1633-DRAFT(90)
L2314579-01I1	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-1633-DRAFT(90)
L2314579-01I2	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-1633-DRAFT(90)
L2314579-02A	Plastic 500ml unpreserved	A	NA		2.1	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
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Report Date: 04/03/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
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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.

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
Project Number:	170635401	**Report Date:**	04/03/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2314579
Project Number:	170635401	**Report Date:**	04/03/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 3/21/23

ALPHA Job #: L2314579

Client Information
Client: Langan
Address: 360 W 31st Street 8th Floor, NY NY
Phone: 212-479-5400
Fax:
Email: Gwyma@Langan.com

Project Information
Project Name: 687 Lenox Avenue - Phase 1
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Greg Wyma
ALPHAQuote #: 21538

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CC: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs/SVOCs	1,4-Dioxane	TAL Metals w/ Hex Chrome	Cyanide	PCBs	Pests / Herbs	PFAS (LC-compounds)	Total Bottle	Sample Specific Comments
14579-01	PH1-S501	3/21/23	9:30	S	JF	X	X	X	X	X	X	X		MS/MSD
02	PH1_F1304-032123	3/21/23	9:45	AQ	JF							X		

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Frost	3.21.23 1140	Newkirk Lowe AAL	3.21.23 1140
Newkirk Lowe	3.21.23 1330	Paul Mazzella	3/21/23 1645
Paul Mazzella	3/21/23 2045		3/21/23 2045
	3/21/23 2305	CUST	3/21/23 23:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2317233
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	04/20/23

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: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2317233-01	PH1_SB25_2-4	SOIL	MANHATTAN, NY	04/02/23 11:30	04/03/23
L2317233-02	PH1_SB25_10-12	SOIL	MANHATTAN, NY	04/02/23 12:30	04/03/23
L2317233-03	PH1_SB25_14-16	SOIL	MANHATTAN, NY	04/02/23 11:45	04/03/23
L2317233-04	PH1_FB05_040223	WATER	MANHATTAN, NY	04/02/23 13:30	04/03/23

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
Project Number:	170635401	**Report Date:**	04/20/23

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
Project Number:	170635401	**Report Date:**	04/20/23

Case Narrative (continued)

Report Submission

April 20, 2023: This final report includes the results of all requested analyses.

April 10, 2023: 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.

Volatile Organics

L2317233-02 and -03: The sample was received in appropriate containers (vials) for the Volatile Organics by EPA Method 5035/8260 analysis; however, they could not be used for analysis. Carryover was noted in the initial Low-Level analysis, and the IS failed low in the second. With the client's authorization, a sample aliquot was taken from an unpreserved container (inappropriate plastic) and preserved appropriately. Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications. A high-level analysis was performed, and those results are also reported.

Total Metals

L2317233-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1762513-1 Method Blank, associated with L2317233-01, -02, and -03, has concentrations above the reporting limits for chromium and iron. Since the associated sample concentrations are greater than 10x the blank concentrations, no corrective action is required.

Cyanide, Total

The WG1764029-3 LCSD recovery for cyanide, total (71%), associated with L2317233-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 04/20/23

ORGANICS

VOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/05/23 21:38
Analyst: JIC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	0.29	J	ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	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	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	0.51	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	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
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	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	1.9	J	ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	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	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/06/23 11:14
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	57	8.3	1
Chloroform	ND		ug/kg	86	8.0	1
Carbon tetrachloride	ND		ug/kg	57	13.	1
1,2-Dichloropropane	ND		ug/kg	57	7.1	1
Dibromochloromethane	ND		ug/kg	57	8.0	1
1,1,2-Trichloroethane	ND		ug/kg	57	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.2	1
Trichlorofluoromethane	ND		ug/kg	230	40.	1
1,2-Dichloroethane	ND		ug/kg	57	15.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.5	1
Bromodichloromethane	ND		ug/kg	28	6.2	1
trans-1,3-Dichloropropene	ND		ug/kg	57	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	9.0	1
1,3-Dichloropropene, Total	ND		ug/kg	28	9.0	1
1,1-Dichloropropene	ND		ug/kg	28	9.1	1
Bromoform	ND		ug/kg	230	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.5	1
Benzene	ND		ug/kg	28	9.5	1
Toluene	ND		ug/kg	57	31.	1
Ethylbenzene	ND		ug/kg	57	8.0	1
Chloromethane	ND		ug/kg	230	53.	1
Bromomethane	ND		ug/kg	110	33.	1
Vinyl chloride	ND		ug/kg	57	19.	1
Chloroethane	ND		ug/kg	110	26.	1
1,1-Dichloroethene	ND		ug/kg	57	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	86	7.8	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: MANHATTAN, NY 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	28	7.8	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.2	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.4	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.8	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	32.	1
o-Xylene	ND		ug/kg	57	17.	1
Xylenes, Total	ND		ug/kg	57	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	57	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	57	7.8	1
Dibromomethane	ND		ug/kg	110	14.	1
Styrene	ND		ug/kg	57	11.	1
Dichlorodifluoromethane	ND		ug/kg	570	52.	1
Acetone	ND		ug/kg	570	270	1
Carbon disulfide	ND		ug/kg	570	260	1
2-Butanone	ND		ug/kg	570	130	1
Vinyl acetate	ND		ug/kg	570	120	1
4-Methyl-2-pentanone	ND		ug/kg	570	73.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.2	1
2-Hexanone	ND		ug/kg	570	67.	1
Bromochloromethane	ND		ug/kg	110	12.	1
2,2-Dichloropropane	ND		ug/kg	110	12.	1
1,2-Dibromoethane	ND		ug/kg	57	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.5	1
Bromobenzene	ND		ug/kg	110	8.3	1
n-Butylbenzene	ND		ug/kg	57	9.5	1
sec-Butylbenzene	ND		ug/kg	57	8.3	1
tert-Butylbenzene	ND		ug/kg	110	6.7	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	57.	1
Hexachlorobutadiene	ND		ug/kg	230	9.6	1
Isopropylbenzene	ND		ug/kg	57	6.2	1
p-Isopropyltoluene	ND		ug/kg	57	6.2	1
Naphthalene	59	J	ug/kg	230	37.	1
Acrylonitrile	ND		ug/kg	230	66.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: MANHATTAN, NY 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	57	9.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	19.	1
1,4-Dioxane	ND		ug/kg	4600	2000	1
p-Diethylbenzene	ND		ug/kg	110	10.	1
p-Ethyltoluene	ND		ug/kg	110	22.	1
1,2,4,5-Tetramethylbenzene	14	J	ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/06/23 11:53
Analyst: AJK
Percent Solids: 87%

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	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	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	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	0.15	J	ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: 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	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	0.96	J	ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: 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	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	0.34	J	ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

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

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45
Client ID: PH1_SB25_14-16 Date Received: 04/03/23
Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/06/23 11:34
Analyst: AJK
Percent Solids: 52%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	660	300	1
1,1-Dichloroethane	ND		ug/kg	130	19.	1
Chloroform	ND		ug/kg	200	18.	1
Carbon tetrachloride	ND		ug/kg	130	30.	1
1,2-Dichloropropane	ND		ug/kg	130	16.	1
Dibromochloromethane	ND		ug/kg	130	18.	1
1,1,2-Trichloroethane	ND		ug/kg	130	35.	1
Tetrachloroethene	ND		ug/kg	66	26.	1
Chlorobenzene	ND		ug/kg	66	17.	1
Trichlorofluoromethane	ND		ug/kg	530	92.	1
1,2-Dichloroethane	ND		ug/kg	130	34.	1
1,1,1-Trichloroethane	ND		ug/kg	66	22.	1
Bromodichloromethane	ND		ug/kg	66	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	130	36.	1
cis-1,3-Dichloropropene	ND		ug/kg	66	21.	1
1,3-Dichloropropene, Total	ND		ug/kg	66	21.	1
1,1-Dichloropropene	ND		ug/kg	66	21.	1
Bromoform	ND		ug/kg	530	32.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	22.	1
Benzene	ND		ug/kg	66	22.	1
Toluene	ND		ug/kg	130	72.	1
Ethylbenzene	ND		ug/kg	130	18.	1
Chloromethane	ND		ug/kg	530	120	1
Bromomethane	ND		ug/kg	260	76.	1
Vinyl chloride	ND		ug/kg	130	44.	1
Chloroethane	ND		ug/kg	260	60.	1
1,1-Dichloroethene	ND		ug/kg	130	31.	1
trans-1,2-Dichloroethene	ND		ug/kg	200	18.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: MANHATTAN, NY 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	66	18.	1
1,2-Dichlorobenzene	ND		ug/kg	260	19.	1
1,3-Dichlorobenzene	ND		ug/kg	260	19.	1
1,4-Dichlorobenzene	ND		ug/kg	260	22.	1
Methyl tert butyl ether	98	J	ug/kg	260	26.	1
p/m-Xylene	ND		ug/kg	260	74.	1
o-Xylene	ND		ug/kg	130	38.	1
Xylenes, Total	ND		ug/kg	130	38.	1
cis-1,2-Dichloroethene	ND		ug/kg	130	23.	1
1,2-Dichloroethene, Total	ND		ug/kg	130	18.	1
Dibromomethane	ND		ug/kg	260	31.	1
Styrene	ND		ug/kg	130	26.	1
Dichlorodifluoromethane	ND		ug/kg	1300	120	1
Acetone	ND		ug/kg	1300	630	1
Carbon disulfide	ND		ug/kg	1300	600	1
2-Butanone	ND		ug/kg	1300	290	1
Vinyl acetate	ND		ug/kg	1300	280	1
4-Methyl-2-pentanone	ND		ug/kg	1300	170	1
1,2,3-Trichloropropane	ND		ug/kg	260	17.	1
2-Hexanone	ND		ug/kg	1300	160	1
Bromochloromethane	ND		ug/kg	260	27.	1
2,2-Dichloropropane	ND		ug/kg	260	27.	1
1,2-Dibromoethane	ND		ug/kg	130	37.	1
1,3-Dichloropropane	ND		ug/kg	260	22.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	17.	1
Bromobenzene	ND		ug/kg	260	19.	1
n-Butylbenzene	ND		ug/kg	130	22.	1
sec-Butylbenzene	ND		ug/kg	130	19.	1
tert-Butylbenzene	ND		ug/kg	260	16.	1
o-Chlorotoluene	ND		ug/kg	260	25.	1
p-Chlorotoluene	ND		ug/kg	260	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	130	1
Hexachlorobutadiene	ND		ug/kg	530	22.	1
Isopropylbenzene	ND		ug/kg	130	14.	1
p-Isopropyltoluene	ND		ug/kg	130	14.	1
Naphthalene	100	J	ug/kg	530	86.	1
Acrylonitrile	ND		ug/kg	530	150	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: MANHATTAN, NY 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	130	22.	1
1,2,3-Trichlorobenzene	ND		ug/kg	260	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	36.	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	25.	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	44.	1
1,4-Dioxane	ND		ug/kg	10000	4600	1
p-Diethylbenzene	ND		ug/kg	260	23.	1
p-Ethyltoluene	ND		ug/kg	260	50.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	25.	1
Ethyl ether	ND		ug/kg	260	45.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	660	190	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/06/23 12:13
Analyst: AJK
Percent Solids: 52%

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	0.49	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	0.50	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	0.29	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	ND		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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: 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	0.93	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.32	1
Methyl tert butyl ether	29		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	29		ug/kg	18	8.9	1
Carbon disulfide	ND		ug/kg	18	8.4	1
2-Butanone	5.1	J	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	0.37	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	1.7	J	ug/kg	7.4	1.2	1
Acrylonitrile	ND		ug/kg	7.4	2.1	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: 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	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	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	112		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/05/23 18:41
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1763415-5					
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	0.15	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/05/23 18:41
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1763415-5					
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	0.34	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/05/23 18:41
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1763415-5					
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	3.1	J	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	109		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03 Batch: WG1763653-5					
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	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03 Batch: WG1763653-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03 Batch: WG1763653-5					
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	50	J	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	108		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1763657-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1763657-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/06/23 08:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1763657-5					
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	0.99	J	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	108		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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 Batch: WG1763415-3 WG1763415-4								
Methylene chloride	92		98		70-130	6		30
1,1-Dichloroethane	99		105		70-130	6		30
Chloroform	104		108		70-130	4		30
Carbon tetrachloride	98		104		70-130	6		30
1,2-Dichloropropane	101		106		70-130	5		30
Dibromochloromethane	91		96		70-130	5		30
1,1,2-Trichloroethane	88		92		70-130	4		30
Tetrachloroethene	97		101		70-130	4		30
Chlorobenzene	92		97		70-130	5		30
Trichlorofluoromethane	109		117		70-139	7		30
1,2-Dichloroethane	102		109		70-130	7		30
1,1,1-Trichloroethane	106		112		70-130	6		30
Bromodichloromethane	102		108		70-130	6		30
trans-1,3-Dichloropropene	88		93		70-130	6		30
cis-1,3-Dichloropropene	105		112		70-130	6		30
1,1-Dichloropropene	102		109		70-130	7		30
Bromoform	82		85		70-130	4		30
1,1,2,2-Tetrachloroethane	77		81		70-130	5		30
Benzene	102		110		70-130	8		30
Toluene	86		90		70-130	5		30
Ethylbenzene	88		93		70-130	6		30
Chloromethane	109		116		52-130	6		30
Bromomethane	104		111		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

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 Batch: WG1763415-3 WG1763415-4								
Vinyl chloride	106		114		67-130	7		30
Chloroethane	102		109		50-151	7		30
1,1-Dichloroethene	103		110		65-135	7		30
trans-1,2-Dichloroethene	105		109		70-130	4		30
Trichloroethene	102		110		70-130	8		30
1,2-Dichlorobenzene	90		93		70-130	3		30
1,3-Dichlorobenzene	88		92		70-130	4		30
1,4-Dichlorobenzene	88		92		70-130	4		30
Methyl tert butyl ether	106		114		66-130	7		30
p/m-Xylene	93		97		70-130	4		30
o-Xylene	94		98		70-130	4		30
cis-1,2-Dichloroethene	104		110		70-130	6		30
Dibromomethane	104		110		70-130	6		30
Styrene	93		97		70-130	4		30
Dichlorodifluoromethane	106		113		30-146	6		30
Acetone	106		111		54-140	5		30
Carbon disulfide	109		115		59-130	5		30
2-Butanone	78		88		70-130	12		30
Vinyl acetate	92		93		70-130	1		30
4-Methyl-2-pentanone	74		77		70-130	4		30
1,2,3-Trichloropropane	75		80		68-130	6		30
2-Hexanone	70		74		70-130	6		30
Bromochloromethane	113		120		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

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 Batch: WG1763415-3 WG1763415-4								
2,2-Dichloropropane	100		105		70-130	5		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	88		92		69-130	4		30
1,1,1,2-Tetrachloroethane	94		101		70-130	7		30
Bromobenzene	88		93		70-130	6		30
n-Butylbenzene	85		88		70-130	3		30
sec-Butylbenzene	84		87		70-130	4		30
tert-Butylbenzene	84		88		70-130	5		30
o-Chlorotoluene	82		86		70-130	5		30
p-Chlorotoluene	83		86		70-130	4		30
1,2-Dibromo-3-chloropropane	71		76		68-130	7		30
Hexachlorobutadiene	92		92		67-130	0		30
Isopropylbenzene	83		87		70-130	5		30
p-Isopropyltoluene	87		90		70-130	3		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	77		83		70-130	8		30
n-Propylbenzene	83		87		70-130	5		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	96		96		70-130	0		30
1,3,5-Trimethylbenzene	86		89		70-130	3		30
1,2,4-Trimethylbenzene	86		90		70-130	5		30
1,4-Dioxane	76		81		65-136	6		30
p-Diethylbenzene	87		90		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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 Batch: WG1763415-3 WG1763415-4								
p-Ethyltoluene	87		91		70-130	4		30
1,2,4,5-Tetramethylbenzene	91		94		70-130	3		30
Ethyl ether	107		112		67-130	5		30
trans-1,4-Dichloro-2-butene	**69**	Q	73		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	110		111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03 Batch: WG1763653-3 WG1763653-4								
Methylene chloride	93		88		70-130	6		30
1,1-Dichloroethane	97		94		70-130	3		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	94		89		70-130	5		30
1,1,2-Trichloroethane	90		86		70-130	5		30
Tetrachloroethene	93		91		70-130	2		30
Chlorobenzene	91		88		70-130	3		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	102		98		70-130	4		30
1,1,1-Trichloroethane	101		99		70-130	2		30
Bromodichloromethane	102		99		70-130	3		30
trans-1,3-Dichloropropene	89		86		70-130	3		30
cis-1,3-Dichloropropene	103		101		70-130	2		30
1,1-Dichloropropene	96		96		70-130	0		30
Bromoform	83		81		70-130	2		30
1,1,2,2-Tetrachloroethane	80		77		70-130	4		30
Benzene	100		97		70-130	3		30
Toluene	83		82		70-130	1		30
Ethylbenzene	85		84		70-130	1		30
Chloromethane	103		101		52-130	2		30
Bromomethane	99		98		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03 Batch: WG1763653-3 WG1763653-4								
Vinyl chloride	100		98		67-130	2		30
Chloroethane	98		96		50-151	2		30
1,1-Dichloroethene	94		94		65-135	0		30
trans-1,2-Dichloroethene	102		97		70-130	5		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	87		86		70-130	1		30
1,3-Dichlorobenzene	86		85		70-130	1		30
1,4-Dichlorobenzene	87		85		70-130	2		30
Methyl tert butyl ether	110		104		66-130	6		30
p/m-Xylene	89		88		70-130	1		30
o-Xylene	93		89		70-130	4		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	103		101		70-130	2		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	101		98		30-146	3		30
Acetone	114		106		54-140	7		30
Carbon disulfide	104		101		59-130	3		30
2-Butanone	84		80		70-130	5		30
Vinyl acetate	95		88		70-130	8		30
4-Methyl-2-pentanone	80		76		70-130	5		30
1,2,3-Trichloropropane	79		77		68-130	3		30
2-Hexanone	76		72		70-130	5		30
Bromochloromethane	112		108		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03 Batch: WG1763653-3 WG1763653-4								
2,2-Dichloropropane	94		92		70-130	2		30
1,2-Dibromoethane	95		91		70-130	4		30
1,3-Dichloropropane	90		87		69-130	3		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	88		85		70-130	3		30
n-Butylbenzene	80		80		70-130	0		30
sec-Butylbenzene	80		79		70-130	1		30
tert-Butylbenzene	80		80		70-130	0		30
o-Chlorotoluene	96		95		70-130	1		30
p-Chlorotoluene	80		79		70-130	1		30
1,2-Dibromo-3-chloropropane	76		74		68-130	3		30
Hexachlorobutadiene	85		85		67-130	0		30
Isopropylbenzene	80		78		70-130	3		30
p-Isopropyltoluene	83		82		70-130	1		30
Naphthalene	87		84		70-130	4		30
Acrylonitrile	84		80		70-130	5		30
n-Propylbenzene	79		78		70-130	1		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	93		91		70-130	2		30
1,3,5-Trimethylbenzene	83		81		70-130	2		30
1,2,4-Trimethylbenzene	83		82		70-130	1		30
1,4-Dioxane	89		82		65-136	8		30
p-Diethylbenzene	84		82		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03 Batch: WG1763653-3 WG1763653-4								
p-Ethyltoluene	83		82		70-130	1		30
1,2,4,5-Tetramethylbenzene	88		87		70-130	1		30
Ethyl ether	106		105		67-130	1		30
trans-1,4-Dichloro-2-butene	75		72		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	89		91		70-130
Dibromofluoromethane	109		110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1763657-3 WG1763657-4								
Methylene chloride	93		88		70-130	6		30
1,1-Dichloroethane	97		94		70-130	3		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	94		89		70-130	5		30
1,1,2-Trichloroethane	90		86		70-130	5		30
Tetrachloroethene	93		91		70-130	2		30
Chlorobenzene	91		88		70-130	3		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	102		98		70-130	4		30
1,1,1-Trichloroethane	101		99		70-130	2		30
Bromodichloromethane	102		99		70-130	3		30
trans-1,3-Dichloropropene	89		86		70-130	3		30
cis-1,3-Dichloropropene	103		101		70-130	2		30
1,1-Dichloropropene	96		96		70-130	0		30
Bromoform	83		81		70-130	2		30
1,1,2,2-Tetrachloroethane	80		77		70-130	4		30
Benzene	100		97		70-130	3		30
Toluene	83		82		70-130	1		30
Ethylbenzene	85		84		70-130	1		30
Chloromethane	103		101		52-130	2		30
Bromomethane	99		98		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1763657-3 WG1763657-4								
Vinyl chloride	100		98		67-130	2		30
Chloroethane	98		96		50-151	2		30
1,1-Dichloroethene	94		94		65-135	0		30
trans-1,2-Dichloroethene	102		97		70-130	5		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	87		86		70-130	1		30
1,3-Dichlorobenzene	86		85		70-130	1		30
1,4-Dichlorobenzene	87		85		70-130	2		30
Methyl tert butyl ether	110		104		66-130	6		30
p/m-Xylene	89		88		70-130	1		30
o-Xylene	93		89		70-130	4		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	103		101		70-130	2		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	101		98		30-146	3		30
Acetone	114		106		54-140	7		30
Carbon disulfide	104		101		59-130	3		30
2-Butanone	84		80		70-130	5		30
Vinyl acetate	95		88		70-130	8		30
4-Methyl-2-pentanone	80		76		70-130	5		30
1,2,3-Trichloropropane	79		77		68-130	3		30
2-Hexanone	76		72		70-130	5		30
Bromochloromethane	112		108		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1763657-3 WG1763657-4								
2,2-Dichloropropane	94		92		70-130	2		30
1,2-Dibromoethane	95		91		70-130	4		30
1,3-Dichloropropane	90		87		69-130	3		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	88		85		70-130	3		30
n-Butylbenzene	80		80		70-130	0		30
sec-Butylbenzene	80		79		70-130	1		30
tert-Butylbenzene	80		80		70-130	0		30
o-Chlorotoluene	96		95		70-130	1		30
p-Chlorotoluene	80		79		70-130	1		30
1,2-Dibromo-3-chloropropane	76		74		68-130	3		30
Hexachlorobutadiene	85		85		67-130	0		30
Isopropylbenzene	80		78		70-130	3		30
p-Isopropyltoluene	83		82		70-130	1		30
Naphthalene	87		84		70-130	4		30
Acrylonitrile	84		80		70-130	5		30
n-Propylbenzene	79		78		70-130	1		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	93		91		70-130	2		30
1,3,5-Trimethylbenzene	83		81		70-130	2		30
1,2,4-Trimethylbenzene	83		82		70-130	1		30
1,4-Dioxane	89		82		65-136	8		30
p-Diethylbenzene	84		82		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1763657-3 WG1763657-4								
p-Ethyltoluene	83		82		70-130	1		30
1,2,4,5-Tetramethylbenzene	88		87		70-130	1		30
Ethyl ether	106		105		67-130	1		30
trans-1,4-Dichloro-2-butene	75		72		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	89		91		70-130
Dibromofluoromethane	109		110		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/06/23 18:59
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 09:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	210		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	110		ug/kg	110	20.	1
Benzo(a)pyrene	120	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	140		ug/kg	110	31.	1
Benzo(k)fluoranthene	40	J	ug/kg	110	29.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	69	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	120		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	78	J	ug/kg	140	25.	1
Pyrene	200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	66		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/10/23 13:28
Analyst: RS
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.789	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.394	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.197	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.789	0.080	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.197	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.197	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.197	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.197	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.197	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.789	0.276	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.197	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.197	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.197	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.197	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.789	0.382	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.197	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.197	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.197	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.197	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.197	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.197	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.197	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.197	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.197	0.105	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.789	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.789	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.197	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.789	0.193	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.789	0.165	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.197	0.099	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.197	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.97	0.247	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.97	0.503	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.394	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.394	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.394	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.394	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.986	0.142	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.93	0.498	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.93	1.74	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	96		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	67		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	65		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	58		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	60		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	59		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/06/23 19:23
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 09:13

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	72	J	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	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	37	J	ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	41	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	36	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	25	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	54	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	66	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: 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	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	67		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/10/23 13:41
Analyst: RS
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.781	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.391	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.195	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.781	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.195	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.195	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.195	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.195	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.195	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.781	0.274	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.195	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.195	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.109	J	ng/g	0.195	0.077	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.195	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.781	0.378	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.195	0.041	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.195	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.195	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.195	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.195	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.195	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.195	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.195	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.195	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.781	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.781	0.143	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.195	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.781	0.191	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.781	0.163	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.195	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.195	0.109	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.95	0.245	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.95	0.498	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.391	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.391	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.391	0.081	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.391	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.977	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.88	0.493	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.88	1.72	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	69		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	69		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	67		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	67		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	65		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	67		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	70		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	98		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	71		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	72		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	57		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	57		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	58		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/06/23 19:47
Analyst: SZ
Percent Solids: 52%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 09:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	260	33.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	37.	1
Hexachlorobenzene	ND		ug/kg	190	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	290	43.	1
2-Chloronaphthalene	ND		ug/kg	320	32.	1
1,2-Dichlorobenzene	ND		ug/kg	320	58.	1
1,3-Dichlorobenzene	ND		ug/kg	320	55.	1
1,4-Dichlorobenzene	ND		ug/kg	320	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	320	85.	1
2,4-Dinitrotoluene	ND		ug/kg	320	64.	1
2,6-Dinitrotoluene	ND		ug/kg	320	55.	1
Fluoranthene	ND		ug/kg	190	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	320	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	320	49.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	32.	1
Hexachlorobutadiene	ND		ug/kg	320	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	920	290	1
Hexachloroethane	ND		ug/kg	260	52.	1
Isophorone	ND		ug/kg	290	42.	1
Naphthalene	ND		ug/kg	320	39.	1
Nitrobenzene	ND		ug/kg	290	47.	1
NDPA/DPA	ND		ug/kg	260	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	320	50.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	320	110	1
Butyl benzyl phthalate	ND		ug/kg	320	81.	1
Di-n-butylphthalate	ND		ug/kg	320	61.	1
Di-n-octylphthalate	ND		ug/kg	320	110	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: 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	320	30.	1
Dimethyl phthalate	ND		ug/kg	320	67.	1
Benzo(a)anthracene	ND		ug/kg	190	36.	1
Benzo(a)pyrene	ND		ug/kg	260	78.	1
Benzo(b)fluoranthene	ND		ug/kg	190	54.	1
Benzo(k)fluoranthene	ND		ug/kg	190	51.	1
Chrysene	ND		ug/kg	190	33.	1
Acenaphthylene	ND		ug/kg	260	50.	1
Anthracene	ND		ug/kg	190	62.	1
Benzo(ghi)perylene	ND		ug/kg	260	38.	1
Fluorene	ND		ug/kg	320	31.	1
Phenanthrene	ND		ug/kg	190	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	190	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	260	45.	1
Pyrene	ND		ug/kg	190	32.	1
Biphenyl	ND		ug/kg	730	42.	1
4-Chloroaniline	ND		ug/kg	320	58.	1
2-Nitroaniline	ND		ug/kg	320	62.	1
3-Nitroaniline	ND		ug/kg	320	60.	1
4-Nitroaniline	ND		ug/kg	320	130	1
Dibenzofuran	ND		ug/kg	320	30.	1
2-Methylnaphthalene	ND		ug/kg	380	39.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	320	33.	1
Acetophenone	ND		ug/kg	320	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	190	61.	1
p-Chloro-m-cresol	ND		ug/kg	320	48.	1
2-Chlorophenol	ND		ug/kg	320	38.	1
2,4-Dichlorophenol	ND		ug/kg	290	52.	1
2,4-Dimethylphenol	ND		ug/kg	320	100	1
2-Nitrophenol	ND		ug/kg	690	120	1
4-Nitrophenol	ND		ug/kg	450	130	1
2,4-Dinitrophenol	ND		ug/kg	1500	150	1
4,6-Dinitro-o-cresol	ND		ug/kg	830	150	1
Pentachlorophenol	ND		ug/kg	260	70.	1
Phenol	ND		ug/kg	320	48.	1
2-Methylphenol	ND		ug/kg	320	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	50.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: 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	320	61.	1
Benzoic Acid	ND		ug/kg	1000	320	1
Benzyl Alcohol	ND		ug/kg	320	98.	1
Carbazole	ND		ug/kg	320	31.	1
1,4-Dioxane	ND		ug/kg	48	15.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	53		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/10/23 13:53
Analyst: RS
Percent Solids: 52%

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.798	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.798	0.081	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.798	0.386	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.798	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.798	0.146	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.798	0.195	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.798	0.167	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.100	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.112	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.250	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.509	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.399	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.399	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.399	0.083	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.399	0.095	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.997	0.144	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.99	0.503	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.99	1.76	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	109		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	61		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	89		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	49		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	46		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-04
Client ID: PH1_FB05_040223
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 13:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 04/20/23 00:08
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/19/23 07:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.94	0.951	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.97	0.795	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.48	0.498	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.94	1.55	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.48	0.438	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.48	0.260	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.48	0.297	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.48	0.356	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.48	0.646	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.94	2.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.48	0.401	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.48	0.468	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.48	0.676	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.602	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.94	2.31	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.48	0.460	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.810	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.646	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.342	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.401	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.802	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.683	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.557	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.394	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.94	0.832	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.94	0.936	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.48	0.564	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-04 Date Collected: 04/02/23 13:30

Client ID: PH1_FB05_040223 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.94	1.22	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.94	1.22	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.48	0.646	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.48	0.683	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.8	3.49	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.8	1.82	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.97	0.423	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.97	0.394	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.97	0.327	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.97	1.75	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.43	2.45	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.1	8.69	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.1	5.86	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-04 Date Collected: 04/02/23 13:30

Client ID: PH1_FB05_040223 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	103		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	99		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	93		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	102		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	98		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	108		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	96		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	88		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	106		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	95		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	94		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	104		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	57		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	62		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	104		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	105		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/05/23 21:57
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/05/23 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1763075-1					
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	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

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Analytical Date: 04/05/23 21:57
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Extraction Method: EPA 3546
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Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1763075-1					
Dimethyl phthalate	ND		ug/kg	160	34.
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	21.
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.

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Project Number: 170635401 **Report Date:** 04/20/23

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Analytical Date: 04/05/23 21:57
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/05/23 11:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1763075-1					
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	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	77		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/10/23 12:49
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1763519-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/10/23 12:49
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1763519-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

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Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/10/23 12:49
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/06/23 10:47
Cleanup Method: EPA 1633
Cleanup Date: 04/08/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1763519-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	80		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	79		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	94		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	76		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	56		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	56		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	55		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/19/23 20:01
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/19/23 06:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1768406-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/19/23 20:01
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/19/23 06:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1768406-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/19/23 20:01
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 04/19/23 06:53

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1768406-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	92		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	92		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	76		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	75		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	99		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	96		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	106		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	102		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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 Batch: WG1763075-2 WG1763075-3								
Acenaphthene	75		84		31-137	11		50
1,2,4-Trichlorobenzene	70		76		38-107	8		50
Hexachlorobenzene	78		86		40-140	10		50
Bis(2-chloroethyl)ether	63		69		40-140	9		50
2-Chloronaphthalene	75		82		40-140	9		50
1,2-Dichlorobenzene	69		73		40-140	6		50
1,3-Dichlorobenzene	67		72		40-140	7		50
1,4-Dichlorobenzene	67		73		28-104	9		50
3,3'-Dichlorobenzidine	60		65		40-140	8		50
2,4-Dinitrotoluene	81		90		40-132	11		50
2,6-Dinitrotoluene	76		82		40-140	8		50
Fluoranthene	80		88		40-140	10		50
4-Chlorophenyl phenyl ether	78		87		40-140	11		50
4-Bromophenyl phenyl ether	83		92		40-140	10		50
Bis(2-chloroisopropyl)ether	75		80		40-140	6		50
Bis(2-chloroethoxy)methane	66		71		40-117	7		50
Hexachlorobutadiene	73		80		40-140	9		50
Hexachlorocyclopentadiene	62		68		40-140	9		50
Hexachloroethane	68		73		40-140	7		50
Isophorone	64		69		40-140	8		50
Naphthalene	70		76		40-140	8		50
Nitrobenzene	64		69		40-140	8		50
NDPA/DPA	82		90		36-157	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2317233
Report Date: 04/20/23

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 Batch: WG1763075-2 WG1763075-3								
n-Nitrosodi-n-propylamine	65		71		32-121	9		50
Bis(2-ethylhexyl)phthalate	78		87		40-140	11		50
Butyl benzyl phthalate	76		84		40-140	10		50
Di-n-butylphthalate	78		86		40-140	10		50
Di-n-octylphthalate	79		86		40-140	8		50
Diethyl phthalate	78		85		40-140	9		50
Dimethyl phthalate	74		80		40-140	8		50
Benzo(a)anthracene	80		89		40-140	11		50
Benzo(a)pyrene	88		99		40-140	12		50
Benzo(b)fluoranthene	84		93		40-140	10		50
Benzo(k)fluoranthene	81		90		40-140	11		50
Chrysene	80		87		40-140	8		50
Acenaphthylene	80		87		40-140	8		50
Anthracene	79		88		40-140	11		50
Benzo(ghi)perylene	76		87		40-140	13		50
Fluorene	78		86		40-140	10		50
Phenanthrene	76		84		40-140	10		50
Dibenzo(a,h)anthracene	75		84		40-140	11		50
Indeno(1,2,3-cd)pyrene	78		89		40-140	13		50
Pyrene	80		88		35-142	10		50
Biphenyl	70		77		37-127	10		50
4-Chloroaniline	50		54		40-140	8		50
2-Nitroaniline	75		83		47-134	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

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 Batch: WG1763075-2 WG1763075-3								
3-Nitroaniline	57		63		26-129	10		50
4-Nitroaniline	75		84		41-125	11		50
Dibenzofuran	77		85		40-140	10		50
2-Methylnaphthalene	72		79		40-140	9		50
1,2,4,5-Tetrachlorobenzene	77		85		40-117	10		50
Acetophenone	64		70		14-144	9		50
2,4,6-Trichlorophenol	85		92		30-130	8		50
p-Chloro-m-cresol	77		84		26-103	9		50
2-Chlorophenol	71		78		25-102	9		50
2,4-Dichlorophenol	77		83		30-130	8		50
2,4-Dimethylphenol	74		81		30-130	9		50
2-Nitrophenol	71		78		30-130	9		50
4-Nitrophenol	72		82		11-114	13		50
2,4-Dinitrophenol	73		82		4-130	12		50
4,6-Dinitro-o-cresol	82		91		10-130	10		50
Pentachlorophenol	75		83		17-109	10		50
Phenol	73		79		26-90	8		50
2-Methylphenol	69		76		30-130.	10		50
3-Methylphenol/4-Methylphenol	74		82		30-130	10		50
2,4,5-Trichlorophenol	84		92		30-130	9		50
Benzoic Acid	50		54		10-110	8		50
Benzyl Alcohol	68		73		40-140	7		50
Carbazole	77		86		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2317233
Report Date: 04/20/23

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 Batch: WG1763075-2 WG1763075-3								
1,4-Dioxane	54		52		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		80		25-120
Phenol-d6	72		80		10-120
Nitrobenzene-d5	66		74		23-120
2-Fluorobiphenyl	77		84		30-120
2,4,6-Tribromophenol	75		84		10-136
4-Terphenyl-d14	75		83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	95		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	107		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	96		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	85		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	95		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	89		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	92		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	81		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	85		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	88		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	78		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	118		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	80		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	80		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	105		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	98		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	67		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	98		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	87		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	110		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	96		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	99		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	99		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	95		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	90		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	100		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	92		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	84		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	73		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	77				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	78				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	78				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	71				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	104				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	88				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	66				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	54				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	48				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-3								
Perfluorobutanoic Acid (PFBA)	94		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	89		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	91		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	96		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	92		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	88		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	91		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	92		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	86		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	74		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	80		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	100		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	81		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	88		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	77		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	84		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	74		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-3								
Perfluorotridecanoic Acid (PFTrDA)	68		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	96		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	88		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	87		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	66		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	102		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	85		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	94		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	98		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	89		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	94		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	90		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	91		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	94		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	96		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	81		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	88		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	74		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1763519-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	93				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	87				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	97				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	94				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	96				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	96				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	72				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	91				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	64				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	90				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	63				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	62				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	88		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	99		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	104		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	98		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	92		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	109		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	105		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	108		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	98		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	90		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	93		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	88		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	79		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	85		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	96		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	99		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	98		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	99		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	114		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	90		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	76		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	45		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	91				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	88				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	69				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	75				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	96				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	87				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	89				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-3								
Perfluorobutanoic Acid (PFBA)	98		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	97		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	100		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	99		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	99		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	97		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	96		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	92		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	107		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-3								
Perfluorotridecanoic Acid (PFTrDA)	96		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	109		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	93		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	89		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	94		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	88		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	79		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	113		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	126		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	105		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	104		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	98		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	99		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	89		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	106		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	92		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	81		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	57		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1768406-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	79				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	85				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	52				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	92				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	87				20-150

PCBS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/07/23 22:45
Analyst: AD
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 10:07
Cleanup Method: EPA 3665A
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.63	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.65	1	A
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	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	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/07/23 22:53
Analyst: AD
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 10:07
Cleanup Method: EPA 3665A
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	3.22	1	A
Aroclor 1221	ND		ug/kg	36.3	3.64	1	A
Aroclor 1232	ND		ug/kg	36.3	7.70	1	A
Aroclor 1242	ND		ug/kg	36.3	4.90	1	A
Aroclor 1248	ND		ug/kg	36.3	5.45	1	A
Aroclor 1254	ND		ug/kg	36.3	3.97	1	A
Aroclor 1260	ND		ug/kg	36.3	6.71	1	A
Aroclor 1262	ND		ug/kg	36.3	4.61	1	A
Aroclor 1268	ND		ug/kg	36.3	3.76	1	A
PCBs, Total	ND		ug/kg	36.3	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/07/23 23:01
Analyst: AD
Percent Solids: 52%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 10:07
Cleanup Method: EPA 3665A
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.2	5.44	1	A
Aroclor 1221	ND		ug/kg	61.2	6.14	1	A
Aroclor 1232	ND		ug/kg	61.2	13.0	1	A
Aroclor 1242	ND		ug/kg	61.2	8.26	1	A
Aroclor 1248	ND		ug/kg	61.2	9.19	1	A
Aroclor 1254	ND		ug/kg	61.2	6.70	1	A
Aroclor 1260	ND		ug/kg	61.2	11.3	1	A
Aroclor 1262	ND		ug/kg	61.2	7.78	1	A
Aroclor 1268	ND		ug/kg	61.2	6.34	1	A
PCBs, Total	ND		ug/kg	61.2	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/06/23 08:27
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 04/05/23 12:41
Cleanup Method: EPA 3665A
Cleanup Date: 04/05/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1763098-1						
Aroclor 1016	ND		ug/kg	31.9	2.83	A
Aroclor 1221	ND		ug/kg	31.9	3.20	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	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	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	85		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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 Batch: WG1763098-2 WG1763098-3									
Aroclor 1016	80		83		40-140	4		50	A
Aroclor 1260	73		75		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		80		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	B
Decachlorobiphenyl	76		78		30-150	B

PESTICIDES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/07/23 11:13
Analyst: AAR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 12:02
Cleanup Method: EPA 3620B
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.943	1	A
Endrin	ND		ug/kg	0.699	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	ND		ug/kg	2.10	0.584	1	A
trans-Chlordane	ND		ug/kg	2.10	0.553	1	A
Chlordane	ND		ug/kg	14.0	5.55	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	86		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/07/23 13:47
Analyst: AKM
Percent Solids: 91%
Methylation Date: 04/07/23 05:18

Extraction Method: EPA 8151A
Extraction Date: 04/06/23 05:16

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	5.51	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	84		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/07/23 11:25
Analyst: AAR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 12:02
Cleanup Method: EPA 3620B
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.76	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.993	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.772	1	A
Endrin ketone	ND		ug/kg	1.76	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.630	1	A
4,4'-DDT	ND		ug/kg	1.76	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.7	5.85	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: 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	58		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	125		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/07/23 14:06
Analyst: AKM
Percent Solids: 87%
Methylation Date: 04/07/23 05:18

Extraction Method: EPA 8151A
Extraction Date: 04/06/23 05:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	81		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/07/23 11:37
Analyst: AAR
Percent Solids: 52%

Extraction Method: EPA 3546
Extraction Date: 04/06/23 12:02
Cleanup Method: EPA 3620B
Cleanup Date: 04/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.93	0.574	1	A
Lindane	ND		ug/kg	1.22	0.545	1	A
Alpha-BHC	ND		ug/kg	1.22	0.346	1	A
Beta-BHC	ND		ug/kg	2.93	1.11	1	A
Heptachlor	ND		ug/kg	1.46	0.656	1	A
Aldrin	ND		ug/kg	2.93	1.03	1	A
Heptachlor epoxide	ND		ug/kg	5.49	1.65	1	A
Endrin	ND		ug/kg	1.22	0.500	1	A
Endrin aldehyde	ND		ug/kg	3.66	1.28	1	A
Endrin ketone	ND		ug/kg	2.93	0.754	1	A
Dieldrin	ND		ug/kg	1.83	0.915	1	A
4,4'-DDE	ND		ug/kg	2.93	0.677	1	A
4,4'-DDD	ND		ug/kg	2.93	1.04	1	A
4,4'-DDT	ND		ug/kg	2.93	2.36	1	A
Endosulfan I	ND		ug/kg	2.93	0.692	1	A
Endosulfan II	ND		ug/kg	2.93	0.979	1	A
Endosulfan sulfate	ND		ug/kg	1.22	0.581	1	A
Methoxychlor	ND		ug/kg	5.49	1.71	1	A
Toxaphene	ND		ug/kg	54.9	15.4	1	A
cis-Chlordane	ND		ug/kg	3.66	1.02	1	A
trans-Chlordane	ND		ug/kg	3.66	0.966	1	A
Chlordane	ND		ug/kg	24.4	9.70	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: 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	46		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY

Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 04/07/23 14:24
Analyst: AKM
Percent Solids: 52%
Methylation Date: 04/07/23 05:18

Extraction Method: EPA 8151A
Extraction Date: 04/06/23 05:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	311	19.6	1	A
2,4,5-T	ND		ug/kg	311	9.66	1	A
2,4,5-TP (Silvex)	ND		ug/kg	311	8.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	94		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/06/23 12:55
Analyst: AAR

Extraction Method: EPA 3546
Extraction Date: 04/05/23 13:22
Cleanup Method: EPA 3620B
Cleanup Date: 04/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1763108-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.772	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.965	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.9	5.11	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/06/23 12:55
Analyst: AAR

Extraction Method: EPA 3546
Extraction Date: 04/05/23 13:22
Cleanup Method: EPA 3620B
Cleanup Date: 04/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1763108-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 04/07/23 07:58
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 04/06/23 05:16

Methylation Date: 04/07/23 05:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1763329-1						
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	91		30-150	A
DCAA	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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: WG1763108-2 WG1763108-3									
Delta-BHC	91		81		30-150	12		30	A
Lindane	82		78		30-150	5		30	A
Alpha-BHC	85		79		30-150	7		30	A
Beta-BHC	97		89		30-150	9		30	A
Heptachlor	83		79		30-150	5		30	A
Aldrin	83		79		30-150	5		30	A
Heptachlor epoxide	79		76		30-150	4		30	A
Endrin	88		82		30-150	7		30	A
Endrin aldehyde	62		62		30-150	0		30	A
Endrin ketone	79		76		30-150	4		30	A
Dieldrin	92		88		30-150	4		30	A
4,4'-DDE	85		81		30-150	5		30	A
4,4'-DDD	93		88		30-150	6		30	A
4,4'-DDT	91		86		30-150	6		30	A
Endosulfan I	83		79		30-150	5		30	A
Endosulfan II	84		80		30-150	5		30	A
Endosulfan sulfate	58		60		30-150	3		30	A
Methoxychlor	87		86		30-150	1		30	A
cis-Chlordane	75		71		30-150	5		30	A
trans-Chlordane	95		93		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1763108-2 WG1763108-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		69		30-150	A
Decachlorobiphenyl	97		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	B
Decachlorobiphenyl	99		93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1763329-2 WG1763329-3									
2,4-D	108		104		30-150	4		30	A
2,4,5-T	99		94		30-150	5		30	A
2,4,5-TP (Silvex)	97		91		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	94		92		30-150	A
DCAA	89		89		30-150	B

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01 Date Collected: 04/02/23 11:30

Client ID: PH1_SB25_2-4 Date Received: 04/03/23

Sample Location: 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	7150		mg/kg	8.69	2.35	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Antimony, Total	ND		mg/kg	4.35	0.330	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Arsenic, Total	3.27		mg/kg	0.869	0.181	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Barium, Total	147		mg/kg	0.869	0.151	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.296	J	mg/kg	0.435	0.029	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.092	J	mg/kg	0.869	0.085	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Calcium, Total	14400		mg/kg	8.69	3.04	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Chromium, Total	13.3		mg/kg	0.869	0.084	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Cobalt, Total	6.17		mg/kg	1.74	0.144	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Copper, Total	15.9		mg/kg	0.869	0.224	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Iron, Total	12700		mg/kg	4.35	0.785	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Lead, Total	103		mg/kg	4.35	0.233	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Magnesium, Total	3520		mg/kg	8.69	1.34	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Manganese, Total	160		mg/kg	0.869	0.138	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Mercury, Total	0.193		mg/kg	0.069	0.045	1	04/07/23 06:20	04/07/23 14:04	EPA 7471B	1,7471B	ZNK
Nickel, Total	13.8		mg/kg	2.17	0.210	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Potassium, Total	1260		mg/kg	217	12.5	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.74	0.224	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.435	0.246	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Sodium, Total	171	J	mg/kg	174	2.74	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Thallium, Total	ND		mg/kg	1.74	0.274	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Vanadium, Total	16.0		mg/kg	0.869	0.176	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
Zinc, Total	103		mg/kg	4.35	0.255	2	04/07/23 04:25	04/09/23 08:03	EPA 3050B	1,6010D	EGW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13.3		mg/kg	0.879	0.879	1		04/10/23 16:08	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02 Date Collected: 04/02/23 12:30

Client ID: PH1_SB25_10-12 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8570		mg/kg	8.69	2.35	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Antimony, Total	ND		mg/kg	4.34	0.330	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Arsenic, Total	3.24		mg/kg	0.869	0.181	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Barium, Total	65.0		mg/kg	0.869	0.151	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.325	J	mg/kg	0.434	0.029	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.869	0.085	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Calcium, Total	4170		mg/kg	8.69	3.04	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Chromium, Total	18.8		mg/kg	0.869	0.083	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Cobalt, Total	7.14		mg/kg	1.74	0.144	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Copper, Total	26.5		mg/kg	0.869	0.224	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Iron, Total	14100		mg/kg	4.34	0.785	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Lead, Total	42.1		mg/kg	4.34	0.233	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Magnesium, Total	3480		mg/kg	8.69	1.34	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Manganese, Total	217		mg/kg	0.869	0.138	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Mercury, Total	0.194		mg/kg	0.073	0.048	1	04/07/23 06:20	04/07/23 14:07	EPA 7471B	1,7471B	ZNK
Nickel, Total	15.4		mg/kg	2.17	0.210	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Potassium, Total	1320		mg/kg	217	12.5	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.74	0.224	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.434	0.246	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Sodium, Total	188		mg/kg	174	2.74	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Thallium, Total	ND		mg/kg	1.74	0.274	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Vanadium, Total	21.8		mg/kg	0.869	0.176	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
Zinc, Total	55.1		mg/kg	4.34	0.255	2	04/07/23 04:25	04/09/23 08:32	EPA 3050B	1,6010D	EGW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18.8		mg/kg	0.920	0.920	1		04/10/23 16:08	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03 Date Collected: 04/02/23 11:45

Client ID: PH1_SB25_14-16 Date Received: 04/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 52%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7940		mg/kg	14.7	3.96	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Antimony, Total	ND		mg/kg	7.33	0.557	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Arsenic, Total	3.94		mg/kg	1.47	0.305	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Barium, Total	9.26		mg/kg	1.47	0.255	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.354	J	mg/kg	0.733	0.048	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	1.47	0.144	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Calcium, Total	485		mg/kg	14.7	5.13	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Chromium, Total	17.0		mg/kg	1.47	0.141	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Cobalt, Total	4.86		mg/kg	2.93	0.243	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Copper, Total	7.35		mg/kg	1.47	0.378	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Iron, Total	13300		mg/kg	7.33	1.32	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Lead, Total	5.43	J	mg/kg	7.33	0.393	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Magnesium, Total	2680		mg/kg	14.7	2.26	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Manganese, Total	80.3		mg/kg	1.47	0.233	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.121	0.079	1	04/07/23 06:20	04/07/23 14:17	EPA 7471B	1,7471B	ZNK
Nickel, Total	12.3		mg/kg	3.66	0.355	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Potassium, Total	711		mg/kg	366	21.1	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	2.93	0.378	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.733	0.415	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Sodium, Total	122	J	mg/kg	293	4.62	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Thallium, Total	ND		mg/kg	2.93	0.462	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Vanadium, Total	13.5		mg/kg	1.47	0.298	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
Zinc, Total	24.2		mg/kg	7.33	0.430	2	04/07/23 04:25	04/09/23 08:35	EPA 3050B	1,6010D	EGW
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17.0		mg/kg	1.54	1.54	1		04/10/23 16:08	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

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 Batch: WG1762513-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	0.070	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Chromium, Total	0.733		mg/kg	0.400	0.038	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Copper, Total	ND		mg/kg	0.400	0.103	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Iron, Total	2.87		mg/kg	2.00	0.361	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Manganese, Total	0.066	J	mg/kg	0.400	0.064	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Nickel, Total	0.290	J	mg/kg	1.00	0.097	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Potassium, Total	ND		mg/kg	100	5.76	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Silver, Total	ND		mg/kg	0.200	0.113	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW
Zinc, Total	0.150	J	mg/kg	2.00	0.117	1	04/07/23 04:25	04/09/23 07:52	1,6010D	EGW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1762514-1										
Mercury, Total	0.081	J	mg/kg	0.083	0.054	1	04/07/23 06:20	04/07/23 16:22	1,7471B	ZNK

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

Project Number: 170635401 **Report Date:** 04/20/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1762513-2 SRM Lot Number: D116-540								
Aluminum, Total	94		-		45-155	-		
Antimony, Total	186		-		2-205	-		
Arsenic, Total	110		-		82-119	-		
Barium, Total	101		-		82-118	-		
Beryllium, Total	102		-		82-118	-		
Cadmium, Total	102		-		82-118	-		
Calcium, Total	100		-		81-119	-		
Chromium, Total	106		-		81-118	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	118		-		58-142	-		
Lead, Total	104		-		83-117	-		
Magnesium, Total	99		-		75-125	-		
Manganese, Total	102		-		82-118	-		
Nickel, Total	101		-		82-118	-		
Potassium, Total	97		-		68-131	-		
Selenium, Total	110		-		78-122	-		
Silver, Total	104		-		79-121	-		
Sodium, Total	100		-		71-130	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	104		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2317233

Report Date: 04/20/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1762513-2 SRM Lot Number: D116-540					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1762514-2 SRM Lot Number: D116-540					
Mercury, Total	133	-	58-142	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1762513-3 WG1762513-4 QC Sample: L2317253-08 Client ID: MS Sample												
Aluminum, Total	5020	164	4960	**0**	Q	5100	**49**	Q	75-125	3		20
Antimony, Total	ND	41.1	35.6	86		37.6	92		75-125	5		20
Arsenic, Total	2.69	9.88	12.6	100		13.4	109		75-125	6		20
Barium, Total	15.9	164	171	94		172	95		75-125	1		20
Beryllium, Total	0.572	4.11	4.41	93		4.42	94		75-125	0		20
Cadmium, Total	ND	4.36	3.98	91		4.09	94		75-125	3		20
Calcium, Total	470	823	1220	91		1290	100		75-125	6		20
Chromium, Total	11.6	16.4	26.0	87		27.1	94		75-125	4		20
Cobalt, Total	4.13	41.1	40.1	87		41.4	91		75-125	3		20
Copper, Total	20.5	20.6	37.2	81		39.8	94		75-125	7		20
Iron, Total	17500	82.3	11100	**0**	Q	11100	**0**	Q	75-125	0		20
Lead, Total	6.44	43.6	47.3	94		50.4	101		75-125	6		20
Magnesium, Total	1820	823	2370	**67**	Q	2670	103		75-125	12		20
Manganese, Total	310	41.1	276	**0**	Q	322	**29**	Q	75-125	15		20
Nickel, Total	19.4	41.1	55.4	87		52.9	82		75-125	5		20
Potassium, Total	592	823	1280	84		1300	86		75-125	2		20
Selenium, Total	ND	9.88	9.90	100		9.92	101		75-125	0		20
Silver, Total	ND	4.11	3.61	88		3.68	90		75-125	2		20
Sodium, Total	48.5J	823	866	105		877	107		75-125	1		20
Thallium, Total	ND	9.88	8.66	88		8.76	89		75-125	1		20
Vanadium, Total	21.5	41.1	53.0	76		58.4	90		75-125	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

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 QC Batch ID: WG1762513-3 WG1762513-4 QC Sample: L2317253-08 Client ID: MS Sample									
Zinc, Total	49.8	41.1	92.0	102	94.4	108	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1762514-3 WG1762514-4 QC Sample: L2317253-08 Client ID: MS Sample									
Mercury, Total	0.061J	1.33	1.54	115	1.53	112	80-120	1	20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2317233
Report Date: 04/20/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1762513-6 QC Sample: L2317253-08 Client ID: DUP Sample						
Aluminum, Total	5020	5620	mg/kg	12		20
Calcium, Total	470	524	mg/kg	11		20
Copper, Total	20.5	27.4	mg/kg	**34**	Q	20
Iron, Total	17500	20400	mg/kg	17		20
Magnesium, Total	1820	2500	mg/kg	**37**	Q	20
Manganese, Total	310	353	mg/kg	14		20
Vanadium, Total	21.5	29.2	mg/kg	**36**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2317233
Report Date: 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-01
Client ID: PH1_SB25_2-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/02/23 11:30
Date Received: 04/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	04/04/23 13:01	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	04/07/23 15:20	04/10/23 12:16	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	04/07/23 13:45	04/10/23 16:08	1,7196A	LOF

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2317233
Report Date: 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-02
Client ID: PH1_SB25_10-12
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/02/23 12:30
Date Received: 04/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	04/04/23 13:01	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	04/07/23 15:20	04/10/23 12:17	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.920	0.184	1	04/07/23 13:45	04/10/23 16:08	1,7196A	LOF

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2317233
Report Date: 04/20/23

SAMPLE RESULTS

Lab ID: L2317233-03
Client ID: PH1_SB25_14-16
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 04/02/23 11:45
Date Received: 04/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	51.9		%	0.100	NA	1	-	04/04/23 13:01	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.8	0.39	1	04/07/23 15:20	04/10/23 12:43	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.54	0.308	1	04/07/23 13:45	04/10/23 16:08	1,7196A	LOF

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2317233

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Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1763940-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	04/07/23 13:45	04/10/23 16:08	1,7196A	LOF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1764029-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	04/07/23 15:20	04/10/23 12:10	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1763940-2								
Chromium, Hexavalent	106		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1764029-2 WG1764029-3								
Cyanide, Total	95		**71**	Q	80-120	29		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
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Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1763940-4 QC Sample: L2317233-01 Client ID: PH1_SB25_2-4												
Chromium, Hexavalent	ND	1330	1200	90		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1764029-4 WG1764029-5 QC Sample: L2317309-01 Client ID: MS Sample												
Cyanide, Total	ND	12	11	90		5.7	**48**	Q	75-125	**68**	Q	35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

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Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1762531-1 QC Sample: L2317212-01 Client ID: DUP Sample						
Solids, Total	34.4	31.5	%	9		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1763940-6 QC Sample: L2317233-01 Client ID: PH1_SB25_2-4						
Chromium, Hexavalent	ND	0.187J	mg/kg	NC		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2317233-01A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2317233-01B	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14)
L2317233-01C	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14)
L2317233-01D	Plastic 2oz unpreserved for TS	B	NA		4.5	Y	Absent		TS(7)
L2317233-01E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2317233-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2317233-01G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-01H	Plastic 8oz unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(90)
L2317233-01J	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-02A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-02B	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-02C	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-02D	Plastic 2oz unpreserved for TS	B	NA		4.5	Y	Absent		TS(7)
L2317233-02E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2317233-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	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),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2317233
Report Date: 04/20/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2317233-02G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-02H	Plastic 8oz unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(90)
L2317233-02J	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-02Y	Vial Water preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-02Z	Vial Water preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-03A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-03B	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-03C	Vial water preserved	A	NA		3.4	Y	Absent	04-APR-23 01:57	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-03D	Plastic 2oz unpreserved for TS	B	NA		4.5	Y	Absent		TS(7)
L2317233-03E	Plastic 120ml unpreserved	A	NA		3.4	Y	Absent		TS(7)
L2317233-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	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),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2317233-03G	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-03H	Plastic 8oz unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(90)
L2317233-03J	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2317233-03Y	Vial Water preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-03Z	Vial Water preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2317233-04A	Plastic 500ml unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(28)
L2317233-04B	Plastic 950ml unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(28)
L2317233-04C	Plastic 500ml unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(28)
L2317233-04D	Plastic 950ml unpreserved	B	NA		4.5	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
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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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVENUE-PHASE 1
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
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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.

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
Project Number:	170635401	**Report Date:**	04/20/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2317233
Project Number:	170635401	**Report Date:**	04/20/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 04/03/23

ALPHA Job #: L2317233

Client Information

Client: Langan Engineering
Address: 360 W 31st Street
New York, NY, 10001 8th Flr
Phone: 212-479-5400
Fax:
Email: gwyka@langan.com

Project Information

Project Name: 687 Lenox Ave-Phase I
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyka
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
cc: anesci@langan.com, datamanagement@langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCL SVOCs, PCBs, Pest & Herbs	TAL Metals (Hex Cr, Tri chrom), Cyanide	1-4 dioxane	PFAS 40 compound list	Total Bottle	Sample Specific Comments
17233-01	PH1-SB25-2-4	4/2/23	11:30	S	SS	X	X	X	X		
-02	PH1-SB25-10-12		12:30			X	X	X	X		
-03	PH1-SB25-14-16		11:45	↓		X	X	X	X		
-04	PH1-FB05-040223	↓	13:30	AQ	↓				X		

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Ali	4/3/23 1415	(AHL)	4/3/23 1418
(AHL)	4/3/23 1858		4/3/23 19:10
	4/3/23		4/3/23 2150
	4/3/23 2355		4/3/23 2355

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2324262
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	691 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	05/31/23

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-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2324262-01	PH1_MW19_050323	WATER	MANHATTAN, NY	05/03/23 14:30	05/03/23
L2324262-02	PH1_GWDUP01_050323	WATER	MANHATTAN, NY	05/03/23 00:00	05/03/23
L2324262-03	PH1_GWFB01_050323	WATER	MANHATTAN, NY	05/03/23 15:20	05/03/23
L2324262-04	PH1_GWTB01_050323	WATER	MANHATTAN, NY	05/03/23 00:00	05/03/23

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

Case Narrative (continued)

Report Submission

May 31, 2023: This final report includes the results of all requested analyses.

May 10, 2023: 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.

Perfluorinated Alkyl Acids by 1633

L2324262-01 and -02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 05/31/23

ORGANICS

VOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/05/23 13:27
Analyst: PID

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	115		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/05/23 13:48
Analyst: PID

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	1.9	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	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	115		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-04
Client ID: PH1_GWTB01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/05/23 14:09
Analyst: PID

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-04 Date Collected: 05/03/23 00:00

Client ID: PH1_GWTB01_050323 Date Received: 05/03/23

Sample Location: 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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-04 Date Collected: 05/03/23 00:00

Client ID: PH1_GWTB01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	119		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/05/23 07:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1775229-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/05/23 07:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1775229-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/05/23 07:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1775229-5					
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	115		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	122		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1775229-3 WG1775229-4								
Methylene chloride	95		91		70-130	4		20
1,1-Dichloroethane	96		93		70-130	3		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	100		95		63-132	5		20
1,2-Dichloropropane	94		90		70-130	4		20
Dibromochloromethane	90		85		63-130	6		20
1,1,2-Trichloroethane	96		89		70-130	8		20
Tetrachloroethene	99		92		70-130	7		20
Chlorobenzene	96		92		75-130	4		20
Trichlorofluoromethane	94		86		62-150	9		20
1,2-Dichloroethane	94		89		70-130	5		20
1,1,1-Trichloroethane	100		93		67-130	7		20
Bromodichloromethane	95		91		67-130	4		20
trans-1,3-Dichloropropene	91		84		70-130	8		20
cis-1,3-Dichloropropene	90		85		70-130	6		20
1,1-Dichloropropene	94		88		70-130	7		20
Bromoform	86		80		54-136	7		20
1,1,2,2-Tetrachloroethane	100		97		67-130	3		20
Benzene	99		93		70-130	6		20
Toluene	96		89		70-130	8		20
Ethylbenzene	95		92		70-130	3		20
Chloromethane	99		90		64-130	10		20
Bromomethane	87		80		39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1775229-3 WG1775229-4								
Vinyl chloride	97		89		55-140	9		20
Chloroethane	86		81		55-138	6		20
1,1-Dichloroethene	97		90		61-145	7		20
trans-1,2-Dichloroethene	95		87		70-130	9		20
Trichloroethene	93		84		70-130	10		20
1,2-Dichlorobenzene	97		94		70-130	3		20
1,3-Dichlorobenzene	99		95		70-130	4		20
1,4-Dichlorobenzene	100		93		70-130	7		20
Methyl tert butyl ether	86		83		63-130	4		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	98		92		70-130	6		20
Dibromomethane	93		92		70-130	1		20
1,2,3-Trichloropropane	86		84		64-130	2		20
Acrylonitrile	91		90		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	94		83		36-147	12		20
Acetone	82		77		58-148	6		20
Carbon disulfide	93		87		51-130	7		20
2-Butanone	98		84		63-138	15		20
Vinyl acetate	**140**	Q	130		70-130	7		20
4-Methyl-2-pentanone	82		80		59-130	2		20
2-Hexanone	83		75		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1775229-3 WG1775229-4								
Bromochloromethane	100		93		70-130	7		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	90		87		70-130	3		20
1,3-Dichloropropane	95		91		70-130	4		20
1,1,1,2-Tetrachloroethane	92		88		64-130	4		20
Bromobenzene	96		90		70-130	6		20
n-Butylbenzene	99		92		53-136	7		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	99		92		70-130	7		20
o-Chlorotoluene	100		93		70-130	7		20
p-Chlorotoluene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	90		88		41-144	2		20
Hexachlorobutadiene	100		93		63-130	7		20
Isopropylbenzene	96		90		70-130	6		20
p-Isopropyltoluene	100		91		70-130	9		20
Naphthalene	82		79		70-130	4		20
n-Propylbenzene	99		93		69-130	6		20
1,2,3-Trichlorobenzene	94		89		70-130	5		20
1,2,4-Trichlorobenzene	91		86		70-130	6		20
1,3,5-Trimethylbenzene	94		88		64-130	7		20
1,2,4-Trimethylbenzene	91		85		70-130	7		20
1,4-Dioxane	80		82		56-162	2		20
p-Diethylbenzene	89		85		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1775229-3 WG1775229-4								
p-Ethyltoluene	99		92		70-130	7		20
1,2,4,5-Tetramethylbenzene	79		76		70-130	4		20
Ethyl ether	90		87		59-134	3		20
trans-1,4-Dichloro-2-butene	95		87		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	104		101		70-130

SEMIVOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/08/23 17:09
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 23:51

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	44		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	**40**	Q	41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/08/23 17:15
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 23:56

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	42		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	53		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/09/23 16:52
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	109.	J	ng/l	142	32.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	51		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 17:42
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	9.31		ng/l	5.87	0.939	1
Perfluoropentanoic Acid (PFPeA)	7.33		ng/l	2.93	0.785	1
Perfluorobutanesulfonic Acid (PFBS)	10.8		ng/l	1.47	0.491	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.87	1.53	1
Perfluorohexanoic Acid (PFHxA)	6.67		ng/l	1.47	0.433	1
Perfluoropentanesulfonic Acid (PFPeS)	0.513	J	ng/l	1.47	0.257	1
Perfluoroheptanoic Acid (PFHpA)	2.79		ng/l	1.47	0.293	1
Perfluorohexanesulfonic Acid (PFHxS)	2.49		ng/l	1.47	0.352	1
Perfluorooctanoic Acid (PFOA)	10.2		ng/l	1.47	0.638	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.87	1.98	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.47	0.396	1
Perfluorononanoic Acid (PFNA)	1.32	J	ng/l	1.47	0.462	1
Perfluorooctanesulfonic Acid (PFOS)	18.7		ng/l	1.47	0.667	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.47	0.594	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.87	2.28	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.47	0.455	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.47	0.799	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.47	0.638	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.47	0.337	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.47	0.396	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.47	0.792	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.47	0.675	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.47	0.550	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.47	0.389	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.87	0.821	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.87	0.924	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.47	0.557	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.87	1.21	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.87	1.21	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.47	0.638	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.47	0.675	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.7	3.45	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.7	1.80	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.93	0.418	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.93	0.389	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.93	0.323	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.93	1.73	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.33	2.42	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	36.7	8.58	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	36.7	5.79	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	83		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	63		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**170**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	75		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	67		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	58		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	54		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	68		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	52		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	51		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	47		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	51		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	38		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	83		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	43		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	53		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/08/23 17:32
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 23:51

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	52		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	51		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/08/23 17:32
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 23:56

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	61		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	70		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/09/23 17:15
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	73.1	J	ng/l	147	33.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	60		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 17:55
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	10.3		ng/l	6.17	0.988	1
Perfluoropentanoic Acid (PFPeA)	8.02		ng/l	3.09	0.826	1
Perfluorobutanesulfonic Acid (PFBS)	6.48		ng/l	1.54	0.517	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.17	1.61	1
Perfluorohexanoic Acid (PFHxA)	7.25		ng/l	1.54	0.455	1
Perfluoropentanesulfonic Acid (PFPeS)	0.463	J	ng/l	1.54	0.270	1
Perfluoroheptanoic Acid (PFHpA)	3.01		ng/l	1.54	0.309	1
Perfluorohexanesulfonic Acid (PFHxS)	3.09		ng/l	1.54	0.370	1
Perfluorooctanoic Acid (PFOA)	11.0		ng/l	1.54	0.671	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.17	2.08	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.463	J	ng/l	1.54	0.417	1
Perfluorononanoic Acid (PFNA)	1.47	J	ng/l	1.54	0.486	1
Perfluorooctanesulfonic Acid (PFOS)	23.6		ng/l	1.54	0.702	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.54	0.625	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.17	2.40	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.54	0.478	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.54	0.841	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.54	0.671	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.54	0.355	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.54	0.417	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.54	0.833	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.54	0.710	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.54	0.579	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.54	0.409	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.17	0.864	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.17	0.972	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.54	0.586	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.17	1.27	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.17	1.27	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.54	0.671	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.54	0.710	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.4	3.63	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.4	1.89	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.09	0.440	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.09	0.409	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.09	0.340	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.09	1.82	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.72	2.55	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	38.6	9.03	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	38.6	6.09	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	60		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**175**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	55		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	51		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	45		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	58		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	41		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	37		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	39		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	44		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	36		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	30		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	36		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	36		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	34		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	42		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-03
Client ID: PH1_GWFB01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 15:20
Date Received: 05/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 18:07
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.98	0.956	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.99	0.800	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.49	0.501	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.98	1.56	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.49	0.441	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.49	0.262	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.49	0.299	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.49	0.359	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.49	0.650	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.98	2.02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.49	0.404	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.49	0.471	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.49	0.680	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.49	0.605	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.98	2.32	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.49	0.463	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.49	0.814	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.49	0.650	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.49	0.344	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.49	0.404	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.49	0.807	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.49	0.687	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.49	0.560	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.49	0.396	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.98	0.837	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.98	0.942	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.49	0.568	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-03 Date Collected: 05/03/23 15:20

Client ID: PH1_GWFB01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.98	1.23	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.98	1.23	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.49	0.650	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.49	0.687	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.9	3.51	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.9	1.83	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.99	0.426	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.99	0.396	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.99	0.329	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.99	1.76	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.47	2.46	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.4	8.74	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.4	5.90	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-03 Date Collected: 05/03/23 15:20

Client ID: PH1_GWFB01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	95		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	108		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	100		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	67		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	73		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	76		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	55		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	77		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/08/23 11:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 05:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1775762-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/08/23 11:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 05:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1775762-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/08/23 11:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 05:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1775762-1					
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	43		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	62		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/08/23 10:40
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1775763-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/08/23 10:40
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/07/23 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1775763-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	71		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/09/23 15:01
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1776409-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	55		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1783579-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1783579-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1783579-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	102		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	109		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	111		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	104		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	112		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	103		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	104		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	105		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	96		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	105		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	98		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	50		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	68		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	79		20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1775762-2 WG1775762-3								
Acenaphthene	57		70		37-111	20		30
1,2,4-Trichlorobenzene	52		64		39-98	21		30
Hexachlorobenzene	56		68		40-140	19		30
Bis(2-chloroethyl)ether	65		78		40-140	18		30
2-Chloronaphthalene	55		65		40-140	17		30
1,2-Dichlorobenzene	56		63		40-140	12		30
1,3-Dichlorobenzene	52		61		40-140	16		30
1,4-Dichlorobenzene	50		64		36-97	25		30
3,3'-Dichlorobenzidine	45		51		40-140	13		30
2,4-Dinitrotoluene	75		93		48-143	21		30
2,6-Dinitrotoluene	69		77		40-140	11		30
Fluoranthene	60		67		40-140	11		30
4-Chlorophenyl phenyl ether	56		70		40-140	22		30
4-Bromophenyl phenyl ether	57		71		40-140	22		30
Bis(2-chloroisopropyl)ether	80		93		40-140	15		30
Bis(2-chloroethoxy)methane	71		85		40-140	18		30
Hexachlorobutadiene	47		56		40-140	17		30
Hexachlorocyclopentadiene	44		54		40-140	20		30
Hexachloroethane	61		72		40-140	17		30
Isophorone	66		80		40-140	19		30
Naphthalene	55		65		40-140	17		30
Nitrobenzene	68		86		40-140	23		30
NDPA/DPA	61		77		40-140	23		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1775762-2 WG1775762-3								
n-Nitrosodi-n-propylamine	69		83		29-132	18		30
Bis(2-ethylhexyl)phthalate	72		84		40-140	15		30
Butyl benzyl phthalate	71		78		40-140	9		30
Di-n-butylphthalate	69		77		40-140	11		30
Di-n-octylphthalate	71		84		40-140	17		30
Diethyl phthalate	70		84		40-140	18		30
Dimethyl phthalate	63		74		40-140	16		30
Benzo(a)anthracene	61		73		40-140	18		30
Benzo(a)pyrene	61		71		40-140	15		30
Benzo(b)fluoranthene	60		69		40-140	14		30
Benzo(k)fluoranthene	57		68		40-140	18		30
Chrysene	60		72		40-140	18		30
Acenaphthylene	61		72		45-123	17		30
Anthracene	62		70		40-140	12		30
Benzo(ghi)perylene	68		80		40-140	16		30
Fluorene	62		75		40-140	19		30
Phenanthrene	64		71		40-140	10		30
Dibenzo(a,h)anthracene	63		74		40-140	16		30
Indeno(1,2,3-cd)pyrene	62		75		40-140	19		30
Pyrene	61		67		26-127	9		30
Biphenyl	52		61		40-140	16		30
4-Chloroaniline	51		56		40-140	9		30
2-Nitroaniline	70		79		52-143	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1775762-2 WG1775762-3								
3-Nitroaniline	67		77		25-145	14		30
4-Nitroaniline	70		87		51-143	22		30
Dibenzofuran	60		73		40-140	20		30
2-Methylnaphthalene	54		65		40-140	18		30
1,2,4,5-Tetrachlorobenzene	44		54		2-134	20		30
Acetophenone	56		65		39-129	15		30
2,4,6-Trichlorophenol	59		69		30-130	16		30
p-Chloro-m-cresol	70		76		23-97	8		30
2-Chlorophenol	56		69		27-123	21		30
2,4-Dichlorophenol	60		70		30-130	15		30
2,4-Dimethylphenol	58		75		30-130	26		30
2-Nitrophenol	64		73		30-130	13		30
4-Nitrophenol	**85**	Q	**114**	Q	10-80	29		30
2,4-Dinitrophenol	67		76		20-130	13		30
4,6-Dinitro-o-cresol	78		98		20-164	23		30
Pentachlorophenol	60		76		9-103	24		30
Phenol	44		53		12-110	19		30
2-Methylphenol	58		70		30-130	19		30
3-Methylphenol/4-Methylphenol	64		77		30-130	18		30
2,4,5-Trichlorophenol	59		68		30-130	14		30
Benzoic Acid	60		63		10-164	5		30
Benzyl Alcohol	59		69		26-116	16		30
Carbazole	65		76		55-144	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1775762-2 WG1775762-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		60		21-120
Phenol-d6	43		52		10-120
Nitrobenzene-d5	71		85		23-120
2-Fluorobiphenyl	56		64		15-120
2,4,6-Tribromophenol	65		78		10-120
4-Terphenyl-d14	55		62		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1775763-2 WG1775763-3								
Acenaphthene	65		73		40-140	12		40
2-Chloronaphthalene	64		72		40-140	12		40
Fluoranthene	72		81		40-140	12		40
Hexachlorobutadiene	53		60		40-140	12		40
Naphthalene	60		68		40-140	13		40
Benzo(a)anthracene	82		93		40-140	13		40
Benzo(a)pyrene	83		92		40-140	10		40
Benzo(b)fluoranthene	77		87		40-140	12		40
Benzo(k)fluoranthene	78		84		40-140	7		40
Chrysene	74		81		40-140	9		40
Acenaphthylene	72		81		40-140	12		40
Anthracene	72		80		40-140	11		40
Benzo(ghi)perylene	76		84		40-140	10		40
Fluorene	70		78		40-140	11		40
Phenanthrene	66		73		40-140	10		40
Dibenzo(a,h)anthracene	74		83		40-140	11		40
Indeno(1,2,3-cd)pyrene	76		84		40-140	10		40
Pyrene	71		78		40-140	9		40
2-Methylnaphthalene	67		74		40-140	10		40
Pentachlorophenol	78		91		40-140	15		40
Hexachlorobenzene	58		64		40-140	10		40
Hexachloroethane	61		69		40-140	12		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1775763-2 WG1775763-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		67		21-120
Phenol-d6	55		60		10-120
Nitrobenzene-d5	84		96		23-120
2-Fluorobiphenyl	65		73		15-120
2,4,6-Tribromophenol	90		102		10-120
4-Terphenyl-d14	65		71		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1776409-2	WG1776409-3				
1,4-Dioxane	119		119		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	47		51		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	89		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	76		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	81		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	90		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	78		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	76		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	72		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	88		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	85		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	72		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	70		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	65		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	52		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	65		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	75		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	68		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	90		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	88		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	89		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	57		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	76		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	54		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	60		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	85		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	87		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	92		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	81		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	98		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	89		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	91		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	86		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	60		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	105				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	100				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	123				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	96				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	101				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	107				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	59				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	66				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	77				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-3								
Perfluorobutanoic Acid (PFBA)	75		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	62		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	80		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	70		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	76		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	75		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	62		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	61		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	56		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	81		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	64		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	71		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	79		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	73		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	67		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	59		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	69		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	78		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	64		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	65		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	66		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-3								
Perfluorotridecanoic Acid (PFTrDA)	84		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	106		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	84		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	76		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	56		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	80		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	69		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	73		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	75		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	89		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	68		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	78		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	66		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	82		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	87		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	71		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	59		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1783579-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	97				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	112				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	109				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	93				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	94				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	102				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	53				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	67				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	80				20-150

PCBS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/10/23 09:15
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/09/23 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 05/09/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/09/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/10/23 09:23
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/09/23 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 05/09/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/09/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/10/23 08:31
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/09/23 12:45
Cleanup Method: EPA 3665A
Cleanup Date: 05/09/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/09/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1776713-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1776713-2 WG1776713-3									
Aroclor 1016	89		95		40-140	7		50	A
Aroclor 1260	92		95		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		89		30-150	A
Decachlorobiphenyl	97		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	B
Decachlorobiphenyl	95		102		30-150	B

PESTICIDES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/08/23 16:37
Analyst: AAR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 05:17

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/07/23 15:03
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 05/06/23 08:02

Methylation Date: 05/06/23 23:50

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	71		30-150	A
DCAA	80		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/08/23 16:48
Analyst: AAR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 05:17

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/07/23 15:21
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 05/06/23 08:02

Methylation Date: 05/06/23 23:50

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	63		30-150	A
DCAA	80		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/07/23 10:24
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 05/05/23 14:10

Methylation Date: 05/06/23 14:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1775347-1						
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	111		30-150	A
DCAA	100		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/08/23 15:42
Analyst: AAR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1775971-1						
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/08/23 15:42
Analyst: AAR

Extraction Method: EPA 3510C
Extraction Date: 05/08/23 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1775971-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

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 Batch: WG1775347-2 WG1775347-3									
2,4-D	112		102		30-150	9		25	A
2,4,5-T	109		100		30-150	9		25	A
2,4,5-TP (Silvex)	**181**	Q	122		30-150	**39**	Q	25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		98		30-150	A
DCAA	122		120		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1775971-2 WG1775971-3									
Delta-BHC	83		84		30-150	1		20	A
Lindane	82		82		30-150	1		20	A
Alpha-BHC	89		83		30-150	7		20	A
Beta-BHC	95		82		30-150	15		20	A
Heptachlor	86		85		30-150	1		20	A
Aldrin	80		78		30-150	3		20	A
Heptachlor epoxide	81		82		30-150	1		20	A
Endrin	80		84		30-150	5		20	A
Endrin aldehyde	72		69		30-150	4		20	A
Endrin ketone	91		90		30-150	1		20	A
Dieldrin	87		90		30-150	3		20	A
4,4'-DDE	80		80		30-150	1		20	A
4,4'-DDD	89		92		30-150	3		20	A
4,4'-DDT	85		126		30-150	**39**	Q	20	A
Endosulfan I	87		102		30-150	16		20	A
Endosulfan II	84		87		30-150	4		20	A
Endosulfan sulfate	81		78		30-150	4		20	A
Methoxychlor	91		98		30-150	8		20	A
cis-Chlordane	80		78		30-150	3		20	A
trans-Chlordane	93		94		30-150	1		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1775971-2 WG1775971-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		77		30-150	A
Decachlorobiphenyl	98		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	B
Decachlorobiphenyl	91		87		30-150	B

METALS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0249		mg/l	0.0100	0.00327	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00063	J	mg/l	0.00400	0.00042	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00039	J	mg/l	0.00050	0.00016	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Barium, Total	0.1230		mg/l	0.00050	0.00017	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Calcium, Total	94.3		mg/l	0.100	0.0394	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00033	J	mg/l	0.00100	0.00017	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00020	J	mg/l	0.00050	0.00016	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Iron, Total	2.58		mg/l	0.0500	0.0191	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Lead, Total	0.00049	J	mg/l	0.00100	0.00034	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Magnesium, Total	16.9		mg/l	0.0700	0.0242	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Manganese, Total	1.097		mg/l	0.00100	0.00044	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/04/23 10:43	05/09/23 18:17	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Potassium, Total	13.4		mg/l	0.100	0.0309	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Sodium, Total	98.9		mg/l	0.100	0.0293	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/04/23 09:26	05/08/23 17:09	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/08/23 17:09	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01 Date Collected: 05/03/23 14:30

Client ID: PH1_MW19_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00653	J	mg/l	0.0100	0.00327	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00053	J	mg/l	0.00400	0.00042	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00042	J	mg/l	0.00050	0.00016	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.1192		mg/l	0.00050	0.00017	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	98.3		mg/l	0.100	0.0394	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00018	J	mg/l	0.00100	0.00017	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Iron, Dissolved	2.37		mg/l	0.0500	0.0191	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	16.5		mg/l	0.0700	0.0242	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	1.033		mg/l	0.00100	0.00044	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/04/23 10:20	05/09/23 19:01	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	14.0		mg/l	0.100	0.0309	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	112.		mg/l	0.100	0.0293	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/04/23 08:40	05/08/23 14:28	EPA 3005A	1,6020B	SMV

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0148		mg/l	0.0100	0.00327	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00067	J	mg/l	0.00400	0.00042	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00044	J	mg/l	0.00050	0.00016	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Barium, Total	0.1198		mg/l	0.00050	0.00017	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Calcium, Total	97.5		mg/l	0.100	0.0394	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00020	J	mg/l	0.00100	0.00017	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00021	J	mg/l	0.00050	0.00016	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Iron, Total	2.44		mg/l	0.0500	0.0191	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Lead, Total	0.00041	J	mg/l	0.00100	0.00034	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Magnesium, Total	17.3		mg/l	0.0700	0.0242	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Manganese, Total	1.133		mg/l	0.00100	0.00044	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/04/23 10:43	05/09/23 18:20	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Potassium, Total	13.5		mg/l	0.100	0.0309	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Sodium, Total	99.8		mg/l	0.100	0.0293	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/04/23 09:26	05/08/23 17:13	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/08/23 17:13	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02 Date Collected: 05/03/23 00:00

Client ID: PH1_GWDUP01_050323 Date Received: 05/03/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00424	J	mg/l	0.0100	0.00327	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00050	J	mg/l	0.00400	0.00042	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00046	J	mg/l	0.00050	0.00016	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.1213		mg/l	0.00050	0.00017	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	102.		mg/l	0.100	0.0394	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00019	J	mg/l	0.00100	0.00017	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00022	J	mg/l	0.00050	0.00016	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Iron, Dissolved	2.40		mg/l	0.0500	0.0191	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	16.6		mg/l	0.0700	0.0242	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	1.036		mg/l	0.00100	0.00044	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/04/23 10:20	05/09/23 19:05	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	14.6		mg/l	0.100	0.0309	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	112.		mg/l	0.100	0.0293	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/04/23 08:40	05/08/23 14:33	EPA 3005A	1,6020B	SMV

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-02 Batch: WG1774530-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/04/23 09:26	05/04/23 16:05	1,6020B	NTB

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): 01-02 Batch: WG1774534-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/04/23 10:43	05/04/23 19:42	1,7470A	DMB

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-02 Batch: WG1774535-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/04/23 08:40	05/04/23 14:10	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-02 Batch: WG1774536-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/04/23 10:20	05/04/23 15:06	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774530-2								
Aluminum, Total	94		-		80-120	-		
Antimony, Total	88		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Calcium, Total	94		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	92		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	95		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774530-2					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774534-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774535-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	94	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	100	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	96	-	80-120	-	
Cobalt, Dissolved	95	-	80-120	-	
Copper, Dissolved	98	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	94	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	94	-	80-120	-	
Potassium, Dissolved	96	-	80-120	-	
Selenium, Dissolved	97	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	99	-	80-120	-	
Thallium, Dissolved	95	-	80-120	-	
Vanadium, Dissolved	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774535-2					
Zinc, Dissolved	93	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1774536-2					
Mercury, Dissolved	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774530-3 WG1774530-4 QC Sample: L2323913-01 Client ID: MS Sample												
Aluminum, Total	0.00879J	2	1.77	88		1.96	98		75-125	10		20
Antimony, Total	ND	0.5	0.4344	87		0.4676	94		75-125	7		20
Arsenic, Total	0.00158	0.12	0.1100	90		0.1235	102		75-125	12		20
Barium, Total	0.04215	2	1.752	85		1.944	95		75-125	10		20
Beryllium, Total	ND	0.05	0.04510	90		0.04900	98		75-125	8		20
Cadmium, Total	ND	0.053	0.04729	89		0.05124	97		75-125	8		20
Calcium, Total	99.6	10	94.6	**0**	Q	105	**54**	Q	75-125	10		20
Chromium, Total	0.00042J	0.2	0.1712	86		0.1906	95		75-125	11		20
Cobalt, Total	0.00024J	0.5	0.4167	83		0.4614	92		75-125	10		20
Copper, Total	ND	0.25	0.2143	86		0.2371	95		75-125	10		20
Iron, Total	5.05	1	5.29	**24**	Q	5.81	76		75-125	9		20
Lead, Total	ND	0.53	0.4679	88		0.5222	98		75-125	11		20
Magnesium, Total	23.4	10	32.7	93		36.0	**126**	Q	75-125	10		20
Manganese, Total	1.308	0.5	1.688	76		1.860	110		75-125	10		20
Nickel, Total	0.00060J	0.5	0.4109	82		0.4635	93		75-125	12		20
Potassium, Total	8.83	10	16.3	75		17.8	90		75-125	9		20
Selenium, Total	ND	0.12	0.108	90		0.124	103		75-125	14		20
Silver, Total	ND	0.05	0.04488	90		0.04933	99		75-125	9		20
Sodium, Total	108.	10	106	**0**	Q	117	90		75-125	10		20
Thallium, Total	ND	0.12	0.1030	86		0.1143	95		75-125	10		20
Vanadium, Total	ND	0.5	0.4208	84		0.4697	94		75-125	11		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

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): 01-02 QC Batch ID: WG1774530-3 WG1774530-4 QC Sample: L2323913-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4170	83	0.4569	91	75-125	9	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774534-3 WG1774534-4 QC Sample: L2323913-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00499	100	0.00478	96	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

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): 01-02 QC Batch ID: WG1774535-3 WG1774535-4 QC Sample: L2322670-03 Client ID: MS Sample									
Aluminum, Dissolved	ND	2	1.98	99	1.85	92	75-125	7	20
Antimony, Dissolved	ND	0.5	0.4422	88	0.4164	83	75-125	6	20
Arsenic, Dissolved	ND	0.12	0.1197	100	0.1168	97	75-125	2	20
Barium, Dissolved	0.00321	2	1.926	96	1.827	91	75-125	5	20
Beryllium, Dissolved	ND	0.05	0.05039	101	0.04820	96	75-125	4	20
Cadmium, Dissolved	ND	0.053	0.05300	100	0.05106	96	75-125	4	20
Calcium, Dissolved	8.74	10	18.3	96	17.2	85	75-125	6	20
Chromium, Dissolved	0.00049J	0.2	0.1940	97	0.1847	92	75-125	5	20
Cobalt, Dissolved	ND	0.5	0.4769	95	0.4511	90	75-125	6	20
Copper, Dissolved	ND	0.25	0.2470	99	0.2365	95	75-125	4	20
Iron, Dissolved	ND	1	1.00	100	0.955	96	75-125	5	20
Lead, Dissolved	ND	0.53	0.5176	98	0.5023	95	75-125	3	20
Magnesium, Dissolved	3.03	10	12.8	98	12.2	92	75-125	5	20
Manganese, Dissolved	ND	0.5	0.4855	97	0.4605	92	75-125	5	20
Nickel, Dissolved	ND	0.5	0.4813	96	0.4467	89	75-125	7	20
Potassium, Dissolved	1.47	10	11.0	95	10.6	91	75-125	4	20
Selenium, Dissolved	ND	0.12	0.121	101	0.121	101	75-125	0	20
Silver, Dissolved	ND	0.05	0.05013	100	0.04804	96	75-125	4	20
Sodium, Dissolved	2.65	10	13.0	104	12.1	94	75-125	7	20
Thallium, Dissolved	ND	0.12	0.1140	95	0.1137	95	75-125	0	20
Vanadium, Dissolved	ND	0.5	0.4743	95	0.4504	90	75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

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): 01-02 QC Batch ID: WG1774535-3 WG1774535-4 QC Sample: L2322670-03 Client ID: MS Sample									
Zinc, Dissolved	0.01053	0.5	0.4886	96	0.4611	90	75-125	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

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): 01-02 QC Batch ID: WG1774535-7 WG1774535-8 QC Sample: L2322670-06 Client ID: MS Sample											
Aluminum, Dissolved	0.109	2	1.99	94		2.04	96		75-125	2	20
Antimony, Dissolved	ND	0.5	0.4658	93		0.4659	93		75-125	0	20
Arsenic, Dissolved	0.01429	0.12	0.1333	99		0.1372	102		75-125	3	20
Barium, Dissolved	0.01701	2	1.883	93		1.892	94		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05135	103		0.05205	104		75-125	1	20
Cadmium, Dissolved	ND	0.053	0.05309	100		0.05314	100		75-125	0	20
Calcium, Dissolved	52.1	10	60.0	79		61.1	90		75-125	2	20
Chromium, Dissolved	0.00051J	0.2	0.1831	92		0.1888	94		75-125	3	20
Cobalt, Dissolved	ND	0.5	0.4529	90		0.4635	93		75-125	2	20
Copper, Dissolved	ND	0.25	0.2303	92		0.2376	95		75-125	3	20
Iron, Dissolved	0.400	1	1.28	88		1.34	94		75-125	5	20
Lead, Dissolved	ND	0.53	0.5253	99		0.5276	100		75-125	0	20
Magnesium, Dissolved	6.80	10	16.0	92		16.2	94		75-125	1	20
Manganese, Dissolved	0.2625	0.5	0.7117	90		0.7408	96		75-125	4	20
Nickel, Dissolved	0.00353	0.5	0.4599	91		0.4729	94		75-125	3	20
Potassium, Dissolved	8.32	10	17.4	91		17.9	96		75-125	3	20
Selenium, Dissolved	ND	0.12	0.121	101		0.125	104		75-125	3	20
Silver, Dissolved	ND	0.05	0.05125	102		0.05058	101		75-125	1	20
Sodium, Dissolved	63.4	10	79.3	**159**	Q	81.6	**182**	Q	75-125	3	20
Thallium, Dissolved	ND	0.12	0.1198	100		0.1230	102		75-125	3	20
Vanadium, Dissolved	ND	0.5	0.4509	90		0.4544	91		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

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): 01-02 QC Batch ID: WG1774535-7 WG1774535-8 QC Sample: L2322670-06 Client ID: MS Sample									
Zinc, Dissolved	0.00850J	0.5	0.4688	94	0.4842	97	75-125	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774536-3 WG1774536-4 QC Sample: L2322670-03 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00509	102	0.00504	101	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774536-5 WG1774536-6 QC Sample: L2322670-06 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00480	96	0.00483	97	75-125	1	20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2324262
Report Date: 05/31/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774530-6 QC Sample: L2323913-01 Client ID: DUP Sample						
Barium, Total	0.04215	0.04258	mg/l	1		20
Calcium, Total	99.6	97.9	mg/l	2		20
Iron, Total	5.05	5.15	mg/l	2		20
Magnesium, Total	23.4	27.2	mg/l	16		20
Manganese, Total	1.308	1.434	mg/l	10		20
Potassium, Total	8.83	8.68	mg/l	2		20
Sodium, Total	108.	110.	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774535-10 QC Sample: L2322670-06 Client ID: DUP Sample						
Arsenic, Dissolved	0.01429	0.01439	mg/l	1		20
Barium, Dissolved	0.01701	0.01736	mg/l	2		20
Calcium, Dissolved	52.1	49.2	mg/l	6		20
Magnesium, Dissolved	6.80	6.44	mg/l	5		20
Manganese, Dissolved	0.2625	0.2505	mg/l	5		20
Potassium, Dissolved	8.32	8.02	mg/l	4		20
Sodium, Dissolved	63.4	64.8	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1774535-6 QC Sample: L2322670-03 Client ID: DUP Sample						
Calcium, Dissolved	8.74	8.72	mg/l	0		20
Magnesium, Dissolved	3.03	3.05	mg/l	1		20
Sodium, Dissolved	2.65	2.73	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324262
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-01
Client ID: PH1_MW19_050323
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water
Date Collected: 05/03/23 14:30
Date Received: 05/03/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:54	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/04/23 10:45	05/04/23 11:04	1,7196A	KEP

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324262
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324262-02
Client ID: PH1_GWDUP01_050323
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water

Date Collected: 05/03/23 00:00
Date Received: 05/03/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:55	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/04/23 10:45	05/04/23 11:05	1,7196A	KEP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324262

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-02 Batch: WG1774734-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/04/23 10:45	05/04/23 11:01	1,7196A	KEP
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1775958-1										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:07	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1774734-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1775958-2 WG1775958-3								
Cyanide, Total	104		98		85-115	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1774734-4 QC Sample: L2324262-02 Client ID: PH1_GWDUP01_050323												
Chromium, Hexavalent	ND	0.1	0.098	98		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1775958-4 WG1775958-5 QC Sample: L2324157-01 Client ID: MS Sample												
Cyanide, Total	0.003J	0.2	0.222	111		0.219	110		80-120	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324262

Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1774734-3 QC Sample: L2324262-01 Client ID: PH1_MW19_050323						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324262-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-01D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324262-01E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324262-01F	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324262-01G	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324262-01H	Plastic 250ml NaOH preserved	A	>12	>12	3.6	Y	Absent		TCN-9010(14)
L2324262-01I	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324262-01J	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324262-01K	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324262-01L	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324262-01M	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324262-01N	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),ZN-6020S(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2324262-01O	Plastic 500ml unpreserved	A	7	7	3.6	Y	Absent		HEXCR-7196(1)
L2324262-01P	Amber 1000ml unpreserved	A	7	7	3.6	Y	Absent		HERB-APA(7)
L2324262-01Q	Amber 1000ml unpreserved	A	7	7	3.6	Y	Absent		HERB-APA(7)
L2324262-01R	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-01S	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-01T	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-02D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324262-02E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324262-02F	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324262-02G	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324262-02H	Plastic 250ml NaOH preserved	A	>12	>12	3.6	Y	Absent		TCN-9010(14)
L2324262-02I	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324262-02J	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324262-02K	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324262-02L	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324262-02M	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		V-6020S(180),K-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324262
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324262-02N	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),ZN-6020S(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180)
L2324262-02O	Plastic 500ml unpreserved	A	7	7	3.6	Y	Absent		HEXCR-7196(1)
L2324262-02P	Amber 1000ml unpreserved	A	7	7	3.6	Y	Absent		HERB-APA(7)
L2324262-02Q	Amber 1000ml unpreserved	A	7	7	3.6	Y	Absent		HERB-APA(7)
L2324262-02R	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-02S	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-02T	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-03A	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-03B	Plastic 500ml unpreserved	B	NA		3.9	Y	Absent		A2-1633-DRAFT(28)
L2324262-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324262-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324262
Report Date: 05/31/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324262
Report Date: 05/31/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324262
Project Number:	170635401	**Report Date:**	05/31/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; 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.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 5/3/23

ALPHA Job #: L2324262

Client Information
Client: Langan
Address: 360 W 31st Street 8th Floor, NY, NY
Phone: (blank)
Fax:
Email: Gvyna@Langan.com

Project Information
Project Name: 691 Lenox Avenue - Phase 1
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Greg Wynn
ALPHAQuote #: 21555

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

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

Billing Information
☑ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments: 1,4-Dioxane - 8270 SIM

cc: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs/SVOCs	PCBs	TAL Metals (Hex Chrome)	Cyanide	Pest/Herb	PFAS (10 compounds)	1,4-Dioxane	VOCs only	Sample Specific Comments	Total Bottle
24262-01	PHI_MW19_050323	5/3/23	14:30	AQ	JF	X	X	X	X	X	X	X			
02	PHI_GWDUP01_050323					X	X	X	X	X	X	X			
03	PHI_GWFB01_050323		15:20			(struck)	(struck)	(struck)	(struck)	(struck)	X	(struck)		PFAS only	
04	PHI_GWTB01_050323												X		

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

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

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

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Fry	5/3/23 15:30	(illegible)	5/3/23 15:30
#1 Transferee (illegible)	5-3-23 1740	(illegible)	5/3/23 18:30
(illegible)	5/3/23	LAC	5/3/23 22:00
LAC	5/3/23 23:45	(illegible)	5/3/23 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2324641
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	691 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	05/31/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2324641-01	PH1_MW04_050423	WATER	MANHATTAN, NY	05/04/23 10:30	05/04/23
L2324641-02	PH1_MW16_050423	WATER	MANHATTAN, NY	05/04/23 12:30	05/04/23
L2324641-03	PH1_MW25_050423	WATER	MANHATTAN, NY	05/04/23 15:00	05/04/23
L2324641-04	PH1_GWFB02_050423	WATER	MANHATTAN, NY	05/04/23 14:45	05/04/23
L2324641-05	PH1_GWTB02_050423	WATER	MANHATTAN, NY	05/04/23 00:00	05/04/23

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

Case Narrative (continued)

Report Submission

May 31, 2023: This final report includes the results of all requested analyses.

May 12, 2023: This is a preliminary report.

May 11, 2023: 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

L2324641-04: The sample identified as "PH1_GWFB02_050423" on the chain of custody was identified as "PH1_GWFB01_050423" on the container label. At the client's request, the sample is reported as "PH1_GWFB02_050423".

Perfluorinated Alkyl Acids by 1633

L2324641-01, -02, and -03: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 05/31/23

ORGANICS

VOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/23 15:31
Analyst: MJV

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	1.4	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	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30
Client ID: PH1_MW16_050423 Date Received: 05/04/23
Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/23 15:55
Analyst: MJV

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	6.0		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00
Client ID: PH1_MW25_050423 Date Received: 05/04/23
Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/23 16:18
Analyst: MJV

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	2.3	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	9.2		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-05
Client ID: PH1_GWTB02_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 00:00
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/23 16:42
Analyst: MJV

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-05 Date Collected: 05/04/23 00:00

Client ID: PH1_GWTB02_050423 Date Received: 05/04/23

Sample Location: 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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-05 Date Collected: 05/04/23 00:00

Client ID: PH1_GWTB02_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/23 09:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1776996-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/23 09:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1776996-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/23 09:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05 Batch: WG1776996-5					
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	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1776996-3 WG1776996-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		99		63-132	11		20
1,2-Dichloropropane	120		110		70-130	9		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	96		88		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		98		67-130	12		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	92		96		54-136	4		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		100		70-130	10		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	89		83		64-130	7		20
Bromomethane	59		58		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1776996-3 WG1776996-4								
Vinyl chloride	87		80		55-140	8		20
Chloroethane	96		93		55-138	3		20
1,1-Dichloroethene	89		84		61-145	6		20
trans-1,2-Dichloroethene	99		91		70-130	8		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	110		120		70-130	9		20
Styrene	110		100		70-130	10		20
Dichlorodifluoromethane	88		81		36-147	8		20
Acetone	84		95		58-148	12		20
Carbon disulfide	91		83		51-130	9		20
2-Butanone	100		120		63-138	18		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	92		100		57-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1776996-3 WG1776996-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		110		70-130	10		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	120		110		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	83		99		41-144	18		20
Hexachlorobutadiene	110		99		63-130	11		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	88		100		70-130	13		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	100		118		56-162	17		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1776996-3 WG1776996-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	100		97		70-130	3		20
Ethyl ether	93		96		59-134	3		20
trans-1,4-Dichloro-2-butene	84		91		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		117		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/23 13:28
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:47

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	68		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 10:03
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.07	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	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	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	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	0.11		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	69		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	85		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 17:13
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 19:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	147	33.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	31		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 18:58
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	18.3		ng/l	5.70	0.913	1
Perfluoropentanoic Acid (PFPeA)	16.2		ng/l	2.85	0.763	1
Perfluorobutanesulfonic Acid (PFBS)	115		ng/l	1.43	0.478	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.70	1.49	1
Perfluorohexanoic Acid (PFHxA)	16.6		ng/l	1.43	0.421	1
Perfluoropentanesulfonic Acid (PFPeS)	0.642	J	ng/l	1.43	0.250	1
Perfluoroheptanoic Acid (PFHpA)	7.20		ng/l	1.43	0.285	1
Perfluorohexanesulfonic Acid (PFHxS)	2.42		ng/l	1.43	0.342	1
Perfluorooctanoic Acid (PFOA)	18.9		ng/l	1.43	0.620	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.70	1.92	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.499	J	ng/l	1.43	0.385	1
Perfluorononanoic Acid (PFNA)	3.07		ng/l	1.43	0.449	1
Perfluorooctanesulfonic Acid (PFOS)	36.1		ng/l	1.43	0.649	1
Perfluorodecanoic Acid (PFDA)	0.713	J	ng/l	1.43	0.578	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.70	2.22	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.43	0.442	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.43	0.777	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.43	0.620	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.43	0.328	1
Perfluorooctanesulfonamide (PFOSA)	0.642	J	ng/l	1.43	0.385	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.57		ng/l	1.43	0.770	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.43	0.656	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.43	0.535	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.43	0.378	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.70	0.798	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.70	0.898	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.43	0.542	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.70	1.18	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.70	1.18	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.43	0.620	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.43	0.656	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.3	3.35	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.3	1.75	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.85	0.406	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.85	0.378	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.85	0.314	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.85	1.68	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.13	2.35	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	35.6	8.34	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	35.6	5.62	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	72		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**209**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	103		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	100		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	113		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	62		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	105		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	52		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	63		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	84		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	37		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	96		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	47		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/23 13:52
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:47

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	7.9	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	81		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	84		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 12:46
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

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	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	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	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.10	J	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	79		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	97		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 16:47
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 19:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	142	32.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 18:20
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	11.0		ng/l	5.62	0.899	1
Perfluoropentanoic Acid (PFPeA)	8.00		ng/l	2.81	0.751	1
Perfluorobutanesulfonic Acid (PFBS)	22.5		ng/l	1.40	0.470	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.62	1.47	1
Perfluorohexanoic Acid (PFHxA)	9.69		ng/l	1.40	0.414	1
Perfluoropentanesulfonic Acid (PFPeS)	0.702	J	ng/l	1.40	0.246	1
Perfluoroheptanoic Acid (PFHpA)	4.14		ng/l	1.40	0.281	1
Perfluorohexanesulfonic Acid (PFHxS)	2.60		ng/l	1.40	0.337	1
Perfluorooctanoic Acid (PFOA)	14.7		ng/l	1.40	0.611	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.62	1.90	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.562	J	ng/l	1.40	0.379	1
Perfluorononanoic Acid (PFNA)	1.12	J	ng/l	1.40	0.442	1
Perfluorooctanesulfonic Acid (PFOS)	25.3		ng/l	1.40	0.639	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.40	0.569	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.62	2.18	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.40	0.435	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.40	0.765	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.40	0.611	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.40	0.323	1
Perfluorooctanesulfonamide (PFOSA)	0.421	J	ng/l	1.40	0.379	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.40		ng/l	1.40	0.758	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.40	0.646	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.40	0.527	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.40	0.372	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.62	0.786	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.62	0.885	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.40	0.534	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.62	1.16	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.62	1.16	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.40	0.611	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.40	0.646	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.0	3.30	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.0	1.72	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.81	0.400	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.81	0.372	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.81	0.309	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.81	1.66	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.02	2.32	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	35.1	8.22	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	35.1	5.54	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	94		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	64		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**207**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	105		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	67		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	56		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	56		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	63		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	50		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	49		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	39		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	53		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	43		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	52		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/23 14:15
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:47

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	79		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	79		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 13:02
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

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	0.06	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	0.05	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.03	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	0.03	J	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	0.03	J	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	66		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	84		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 16:21
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 19:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	276.		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	37		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 18:33
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.11	J	ng/l	5.93	0.949	1
Perfluoropentanoic Acid (PFPeA)	5.71		ng/l	2.96	0.793	1
Perfluorobutanesulfonic Acid (PFBS)	4.60		ng/l	1.48	0.497	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.93	1.55	1
Perfluorohexanoic Acid (PFHxA)	4.30		ng/l	1.48	0.437	1
Perfluoropentanesulfonic Acid (PFPeS)	0.296	J	ng/l	1.48	0.259	1
Perfluoroheptanoic Acid (PFHpA)	2.00		ng/l	1.48	0.296	1
Perfluorohexanesulfonic Acid (PFHxS)	1.26	J	ng/l	1.48	0.356	1
Perfluorooctanoic Acid (PFOA)	5.19		ng/l	1.48	0.645	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.93	2.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.48	0.400	1
Perfluorononanoic Acid (PFNA)	0.593	J	ng/l	1.48	0.467	1
Perfluorooctanesulfonic Acid (PFOS)	8.52		ng/l	1.48	0.674	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.600	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.93	2.30	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.48	0.460	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.808	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.645	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.341	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.400	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.800	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.682	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.556	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.393	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.93	0.830	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.93	0.934	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.48	0.563	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.93	1.22	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.93	1.22	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.48	0.645	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.48	0.682	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.8	3.48	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.8	1.82	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.96	0.422	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.96	0.393	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.96	0.326	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.96	1.75	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.41	2.45	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.1	8.67	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.1	5.85	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	70		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**180**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	102		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	68		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	68		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	91		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	66		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	59		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	45		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	57		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	46		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	39		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	42		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	44		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	55		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-04
Client ID: PH1_GWFB02_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 14:45
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/27/23 18:46
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.87	0.939	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.93	0.785	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.47	0.491	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.87	1.53	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.47	0.433	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.47	0.257	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.47	0.293	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.47	0.352	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.47	0.638	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.87	1.98	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.47	0.396	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.47	0.462	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.47	0.667	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.47	0.594	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.87	2.28	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.47	0.455	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.47	0.799	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.47	0.638	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.47	0.337	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.47	0.396	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.47	0.792	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.47	0.675	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.47	0.550	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.47	0.389	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.87	0.821	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.87	0.924	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.47	0.557	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-04 Date Collected: 05/04/23 14:45

Client ID: PH1_GWFB02_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.87	1.21	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.87	1.21	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.47	0.638	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.47	0.675	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.7	3.45	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.7	1.80	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.93	0.418	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.93	0.389	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.93	0.323	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.93	1.73	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.33	2.42	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	36.7	8.58	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	36.7	5.79	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-04 Date Collected: 05/04/23 14:45

Client ID: PH1_GWFB02_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	83		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	94		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	79		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	70		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	77		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	54		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	70		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 11:54
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 19:18

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1777365-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	46		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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	73		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	86		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 08:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1777372-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 08:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1777372-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	91		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04 Batch: WG1783579-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04 Batch: WG1783579-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/27/23 14:31
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 05/25/23 07:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04 Batch: WG1783579-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	102		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	109		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	111		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	104		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	112		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	103		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	104		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	105		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	96		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	105		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	98		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	50		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	68		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	79		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1777365-2		WG1777365-3			
1,4-Dioxane	116		117		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		43		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
Acenaphthene	82		85		37-111	4		30
1,2,4-Trichlorobenzene	75		75		39-98	0		30
Hexachlorobenzene	80		80		40-140	0		30
Bis(2-chloroethyl)ether	91		92		40-140	1		30
2-Chloronaphthalene	75		77		40-140	3		30
1,2-Dichlorobenzene	77		81		40-140	5		30
1,3-Dichlorobenzene	79		78		40-140	1		30
1,4-Dichlorobenzene	79		79		36-97	0		30
3,3'-Dichlorobenzidine	54		58		40-140	7		30
2,4-Dinitrotoluene	104		104		48-143	0		30
2,6-Dinitrotoluene	89		81		40-140	9		30
Fluoranthene	82		82		40-140	0		30
4-Chlorophenyl phenyl ether	82		80		40-140	2		30
4-Bromophenyl phenyl ether	79		80		40-140	1		30
Bis(2-chloroisopropyl)ether	107		115		40-140	7		30
Bis(2-chloroethoxy)methane	99		101		40-140	2		30
Hexachlorobutadiene	69		72		40-140	4		30
Hexachlorocyclopentadiene	71		74		40-140	4		30
Hexachloroethane	84		90		40-140	7		30
Isophorone	87		88		40-140	1		30
Naphthalene	79		81		40-140	3		30
Nitrobenzene	89		100		40-140	12		30
NDPA/DPA	83		83		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
n-Nitrosodi-n-propylamine	93		94		29-132	1		30
Bis(2-ethylhexyl)phthalate	111		115		40-140	4		30
Butyl benzyl phthalate	89		94		40-140	5		30
Di-n-butylphthalate	95		96		40-140	1		30
Di-n-octylphthalate	107		105		40-140	2		30
Diethyl phthalate	96		101		40-140	5		30
Dimethyl phthalate	77		82		40-140	6		30
Benzo(a)anthracene	92		92		40-140	0		30
Benzo(a)pyrene	85		89		40-140	5		30
Benzo(b)fluoranthene	83		86		40-140	4		30
Benzo(k)fluoranthene	82		85		40-140	4		30
Chrysene	91		90		40-140	1		30
Acenaphthylene	81		85		45-123	5		30
Anthracene	88		90		40-140	2		30
Benzo(ghi)perylene	101		102		40-140	1		30
Fluorene	88		88		40-140	0		30
Phenanthrene	89		90		40-140	1		30
Dibenzo(a,h)anthracene	98		97		40-140	1		30
Indeno(1,2,3-cd)pyrene	96		95		40-140	1		30
Pyrene	79		81		26-127	3		30
Biphenyl	71		75		40-140	5		30
4-Chloroaniline	50		50		40-140	0		30
2-Nitroaniline	82		88		52-143	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
3-Nitroaniline	76		78		25-145	3		30
4-Nitroaniline	87		88		51-143	1		30
Dibenzofuran	90		89		40-140	1		30
2-Methylnaphthalene	76		79		40-140	4		30
1,2,4,5-Tetrachlorobenzene	64		65		2-134	2		30
Acetophenone	73		76		39-129	4		30
2,4,6-Trichlorophenol	71		76		30-130	7		30
p-Chloro-m-cresol	82		88		23-97	7		30
2-Chlorophenol	80		84		27-123	5		30
2,4-Dichlorophenol	78		80		30-130	3		30
2,4-Dimethylphenol	48		50		30-130	4		30
2-Nitrophenol	86		90		30-130	5		30
4-Nitrophenol	**129**	Q	**127**	Q	10-80	2		30
2,4-Dinitrophenol	98		92		20-130	6		30
4,6-Dinitro-o-cresol	111		107		20-164	4		30
Pentachlorophenol	92		90		9-103	2		30
Phenol	70		71		12-110	1		30
2-Methylphenol	75		77		30-130	3		30
3-Methylphenol/4-Methylphenol	81		86		30-130	6		30
2,4,5-Trichlorophenol	75		79		30-130	5		30
Benzoic Acid	106		104		10-164	2		30
Benzyl Alcohol	80		77		26-116	4		30
Carbazole	91		90		55-144	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		83		21-120
Phenol-d6	77		73		10-120
Nitrobenzene-d5	110		110		23-120
2-Fluorobiphenyl	84		83		15-120
2,4,6-Tribromophenol	96		94		10-120
4-Terphenyl-d14	79		85		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1777372-2 WG1777372-3								
Acenaphthene	76		83		40-140	9		40
2-Chloronaphthalene	76		82		40-140	8		40
Fluoranthene	86		94		40-140	9		40
Hexachlorobutadiene	76		82		40-140	8		40
Naphthalene	73		78		40-140	7		40
Benzo(a)anthracene	85		91		40-140	7		40
Benzo(a)pyrene	90		94		40-140	4		40
Benzo(b)fluoranthene	84		92		40-140	9		40
Benzo(k)fluoranthene	95		96		40-140	1		40
Chrysene	81		84		40-140	4		40
Acenaphthylene	79		85		40-140	7		40
Anthracene	82		87		40-140	6		40
Benzo(ghi)perylene	74		78		40-140	5		40
Fluorene	79		86		40-140	8		40
Phenanthrene	77		82		40-140	6		40
Dibenzo(a,h)anthracene	79		84		40-140	6		40
Indeno(1,2,3-cd)pyrene	72		77		40-140	7		40
Pyrene	86		93		40-140	8		40
2-Methylnaphthalene	77		82		40-140	6		40
Pentachlorophenol	109		115		40-140	5		40
Hexachlorobenzene	86		91		40-140	6		40
Hexachloroethane	72		77		40-140	7		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1777372-2 WG1777372-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		81		21-120
Phenol-d6	69		72		10-120
Nitrobenzene-d5	90		97		23-120
2-Fluorobiphenyl	82		87		15-120
2,4,6-Tribromophenol	**121**	Q	**129**	Q	10-120
4-Terphenyl-d14	95		102		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	89		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	76		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	81		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	90		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	78		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	76		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	72		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	88		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	85		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	72		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	70		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	65		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	52		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	65		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	75		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	68		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	90		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	88		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	89		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	57		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	76		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	54		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	60		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	85		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	87		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	92		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	81		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	98		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	89		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	91		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	86		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	60		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	105				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	100				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	123				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	96				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	101				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	107				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	84				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	59				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	66				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	77				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-3								
Perfluorobutanoic Acid (PFBA)	75		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	62		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	80		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	70		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	76		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	75		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	62		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	61		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	56		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	81		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	64		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	71		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	79		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	73		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	67		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	59		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	69		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	78		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	64		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	65		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	66		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-3								
Perfluorotridecanoic Acid (PFTrDA)	84		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	106		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	84		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	76		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	56		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	80		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	69		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	73		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	75		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	89		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	68		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	78		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	66		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	82		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	87		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	71		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	59		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1783579-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	97				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	112				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	109				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	93				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	94				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	102				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	53				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	67				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	80				20-150

PCBS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/11/23 08:32
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 15:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/11/23 08:40
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 15:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/11/23 08:49
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 15:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/11/23 07:57
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 15:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777311-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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 Batch: WG1777311-2 WG1777311-3									
Aroclor 1016	94		87		40-140	8		50	A
Aroclor 1260	90		83		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		92		30-150	A
Decachlorobiphenyl	105		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	B
Decachlorobiphenyl	112		102		30-150	B

PESTICIDES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:41
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	34		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 17:22
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

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	87		30-150	A
DCAA	75		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:53
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	56		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 17:41
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

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	98		30-150	A
DCAA	84		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/11/23 11:05
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	54		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY

Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 18:54
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

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	83		30-150	A
DCAA	79		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/10/23 16:27
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1776319-1						
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	86		30-150	A
DCAA	74		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:04
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777269-1						
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:04
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777269-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1776319-2 WG1776319-3									
2,4-D	86		84		30-150	2		25	A
2,4,5-T	89		108		30-150	19		25	A
2,4,5-TP (Silvex)	89		96		30-150	8		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	96		84		30-150	A
DCAA	101		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

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: WG1777269-2 WG1777269-3									
Delta-BHC	58		55		30-150	5		20	A
Lindane	59		56		30-150	6		20	A
Alpha-BHC	60		55		30-150	7		20	A
Beta-BHC	65		61		30-150	7		20	A
Heptachlor	59		58		30-150	2		20	A
Aldrin	58		54		30-150	6		20	A
Heptachlor epoxide	59		56		30-150	4		20	A
Endrin	62		59		30-150	5		20	A
Endrin aldehyde	61		56		30-150	8		20	A
Endrin ketone	74		67		30-150	9		20	A
Dieldrin	68		62		30-150	8		20	A
4,4'-DDE	58		56		30-150	4		20	A
4,4'-DDD	68		63		30-150	7		20	A
4,4'-DDT	68		69		30-150	2		20	A
Endosulfan I	78		64		30-150	20		20	A
Endosulfan II	63		59		30-150	6		20	A
Endosulfan sulfate	64		60		30-150	8		20	A
Methoxychlor	84		76		30-150	11		20	A
cis-Chlordane	53		49		30-150	7		20	A
trans-Chlordane	73		68		30-150	8		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1777269-2 WG1777269-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		52		30-150	A
Decachlorobiphenyl	81		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		56		30-150	B
Decachlorobiphenyl	82		79		30-150	B

METALS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.70		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00140		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Barium, Total	0.1151		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Beryllium, Total	0.00016	J	mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Calcium, Total	102.		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00439		mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00176		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Copper, Total	0.00419		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Iron, Total	5.15		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Lead, Total	0.04128		mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Magnesium, Total	16.0		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Manganese, Total	1.462		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 10:39	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00354		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Potassium, Total	12.4		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Sodium, Total	52.4		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00659		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
Zinc, Total	0.01326		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 20:10	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/10/23 20:10	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01 Date Collected: 05/04/23 10:30

Client ID: PH1_MW04_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00376	J	mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00056	J	mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00024	J	mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.09222		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	103.		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00039	J	mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Iron, Dissolved	1.33		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	15.6		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	1.422		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:45	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00063	J	mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	12.5		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	52.9		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 22:54	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0143		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00399		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Barium, Total	0.1245		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Calcium, Total	131.		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00041	J	mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00016	J	mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Iron, Total	7.81		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Lead, Total	0.00041	J	mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Magnesium, Total	21.3		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Manganese, Total	2.439		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 10:42	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Potassium, Total	16.8		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Sodium, Total	109.		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 20:15	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/10/23 20:15	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02 Date Collected: 05/04/23 12:30

Client ID: PH1_MW16_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00412	J	mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00379		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.1207		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	131.		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00028	J	mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Iron, Dissolved	7.70		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	21.5		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	2.404		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:55	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00057	J	mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	16.3		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	104.		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 22:59	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.351		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00044	J	mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00375		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Barium, Total	0.04300		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Calcium, Total	52.1		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00136		mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00115		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Copper, Total	0.00131		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Iron, Total	0.423		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Lead, Total	0.00333		mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Magnesium, Total	15.2		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Manganese, Total	0.3728		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 10:45	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00236		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Potassium, Total	14.1		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Sodium, Total	56.3		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00829		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
Zinc, Total	0.00481	J	mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 21:13	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/10/23 21:13	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03 Date Collected: 05/04/23 15:00

Client ID: PH1_MW25_050423 Date Received: 05/04/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00885	J	mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00052	J	mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00419		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.04119		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	53.0		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00047	J	mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00101		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00050	J	mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.0191	J	mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	17.9		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.4240		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:59	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00191	J	mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	14.9		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	60.9		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	0.00727		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 23:03	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

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 Batch: WG1776254-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP

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): 01-03 Batch: WG1776256-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 09:59	1,7470A	DMB

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-03 Batch: WG1776348-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-03 Batch: WG1776350-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:29	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776254-2								
Aluminum, Total	96		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	94		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	107		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	99		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776254-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776256-2					
Mercury, Total	91	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776348-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	104	-	80-120	-	
Calcium, Dissolved	91	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	92	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	99	-	80-120	-	
Potassium, Dissolved	94	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	106	-	80-120	-	
Sodium, Dissolved	106	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776348-2					
Zinc, Dissolved	100	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776350-2					
Mercury, Dissolved	98	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776254-3 WG1776254-4 QC Sample: L2324970-02 Client ID: MS Sample												
Aluminum, Total	0.0123	2	1.98	98		2.00	99		75-125	1		20
Antimony, Total	ND	0.5	0.5180	104		0.5048	101		75-125	3		20
Arsenic, Total	0.00292	0.12	0.1285	105		0.1277	104		75-125	1		20
Barium, Total	0.1007	2	2.043	97		2.057	98		75-125	1		20
Beryllium, Total	ND	0.05	0.05098	102		0.05030	101		75-125	1		20
Cadmium, Total	ND	0.053	0.05377	101		0.05384	102		75-125	0		20
Calcium, Total	159.	10	165	**60**	Q	160	**10**	Q	75-125	3		20
Chromium, Total	0.00050J	0.2	0.1948	97		0.1969	98		75-125	1		20
Cobalt, Total	0.00071	0.5	0.4896	98		0.4868	97		75-125	1		20
Copper, Total	ND	0.25	0.2482	99		0.2490	100		75-125	0		20
Iron, Total	2.36	1	3.26	90		3.25	89		75-125	0		20
Lead, Total	0.00080J	0.53	0.5214	98		0.5131	97		75-125	2		20
Magnesium, Total	28.3	10	42.2	**139**	Q	42.2	**139**	Q	75-125	0		20
Manganese, Total	1.186	0.5	1.630	89		1.631	89		75-125	0		20
Nickel, Total	0.00718	0.5	0.4865	96		0.4931	97		75-125	1		20
Potassium, Total	22.6	10	33.4	108		32.8	102		75-125	2		20
Selenium, Total	ND	0.12	0.128	107		0.121	101		75-125	6		20
Silver, Total	ND	0.05	0.05162	103		0.05250	105		75-125	2		20
Sodium, Total	218.	10	221	**30**	Q	219	**10**	Q	75-125	1		20
Thallium, Total	ND	0.12	0.1191	99		0.1158	96		75-125	3		20
Vanadium, Total	0.00465J	0.5	0.4951	99		0.4927	98		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

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 QC Batch ID: WG1776254-3 WG1776254-4 QC Sample: L2324970-02 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4840	97	0.4848	97	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776256-3 WG1776256-4 QC Sample: L2324970-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00480	96	0.00485	97	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1776348-3 WG1776348-4 QC Sample: L2324970-02 Client ID: MS Sample											
Aluminum, Dissolved	0.00641J	2	1.99	100		1.99	100		75-125	0	20
Antimony, Dissolved	ND	0.5	0.4996	100		0.4964	99		75-125	1	20
Arsenic, Dissolved	0.00314	0.12	0.1307	106		0.1321	107		75-125	1	20
Barium, Dissolved	0.09860	2	2.099	100		2.123	101		75-125	1	20
Beryllium, Dissolved	ND	0.05	0.05244	105		0.05222	104		75-125	0	20
Cadmium, Dissolved	ND	0.053	0.05545	105		0.05554	105		75-125	0	20
Calcium, Dissolved	156.	10	165	90		168	120		75-125	2	20
Chromium, Dissolved	0.00047J	0.2	0.1991	100		0.1948	97		75-125	2	20
Cobalt, Dissolved	0.00062	0.5	0.4944	99		0.4900	98		75-125	1	20
Copper, Dissolved	ND	0.25	0.2538	102		0.2506	100		75-125	1	20
Iron, Dissolved	2.41	1	3.56	115		3.50	109		75-125	2	20
Lead, Dissolved	0.00064J	0.53	0.5288	100		0.5305	100		75-125	0	20
Magnesium, Dissolved	28.6	10	42.5	**139**	Q	43.7	**151**	Q	75-125	3	20
Manganese, Dissolved	1.129	0.5	1.674	109		1.669	108		75-125	0	20
Nickel, Dissolved	0.00690	0.5	0.5001	99		0.4938	97		75-125	1	20
Potassium, Dissolved	23.3	10	34.0	107		34.8	115		75-125	2	20
Selenium, Dissolved	ND	0.12	0.128	107		0.126	105		75-125	2	20
Silver, Dissolved	ND	0.05	0.05255	105		0.05322	106		75-125	1	20
Sodium, Dissolved	218.	10	223	**50**	Q	227	90		75-125	2	20
Thallium, Dissolved	ND	0.12	0.1233	103		0.1194	100		75-125	3	20
Vanadium, Dissolved	0.00464J	0.5	0.5048	101		0.4981	100		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1776348-3 WG1776348-4 QC Sample: L2324970-02 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.4967	99	0.4940	99	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776350-3 WG1776350-4 QC Sample: L2324970-02 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00486	97	0.00491	98	75-125	1	20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2324641
Report Date: 05/31/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776254-6 QC Sample: L2324970-02 Client ID: DUP Sample						
Barium, Total	0.1007	0.1002	mg/l	0		20
Calcium, Total	159.	161.	mg/l	1		20
Iron, Total	2.36	2.39	mg/l	1		20
Magnesium, Total	28.3	34.4	mg/l	**22**	Q	20
Manganese, Total	1.186	1.197	mg/l	1		20
Potassium, Total	22.6	24.5	mg/l	8		20
Sodium, Total	218.	225.	mg/l	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776348-6 QC Sample: L2324970-02 Client ID: DUP Sample						
Barium, Dissolved	0.09860	0.09758	mg/l	1		20
Calcium, Dissolved	156.	150.	mg/l	4		20
Iron, Dissolved	2.41	2.39	mg/l	1		20
Magnesium, Dissolved	28.6	31.3	mg/l	9		20
Manganese, Dissolved	1.129	1.143	mg/l	1		20
Potassium, Dissolved	23.3	23.2	mg/l	0		20
Sodium, Dissolved	218.	205.	mg/l	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324641
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-01
Client ID: PH1_MW04_050423
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water
Date Collected: 05/04/23 10:30
Date Received: 05/04/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:56	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/05/23 09:35	05/05/23 09:56	1,7196A	KEP

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324641
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-02
Client ID: PH1_MW16_050423
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water
Date Collected: 05/04/23 12:30
Date Received: 05/04/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:57	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/05/23 09:35	05/05/23 09:57	1,7196A	KEP

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324641
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324641-03
Client ID: PH1_MW25_050423
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water
Date Collected: 05/04/23 15:00
Date Received: 05/04/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:58	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/05/23 09:35	05/05/23 09:57	1,7196A	KEP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324641

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1775193-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/05/23 09:35	05/05/23 09:54	1,7196A	KEP
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1775958-1										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	05/08/23 03:00	05/08/23 18:07	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1775193-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1775958-2 WG1775958-3								
Cyanide, Total	104		98		85-115	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1775193-4 QC Sample: L2324641-03 Client ID: PH1_MW25_050423												
Chromium, Hexavalent	ND	0.1	0.099	99		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1775958-4 WG1775958-5 QC Sample: L2324157-01 Client ID: MS Sample												
Cyanide, Total	0.003J	0.2	0.222	111		0.219	110		80-120	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324641

Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1775193-3 QC Sample: L2324641-02 Client ID: PH1_MW16_050423						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324641-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-01D	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2324641-01E	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2324641-01F	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2324641-01G	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2324641-01H	Plastic 250ml NaOH preserved	A	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2324641-01I	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-01J	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-01K	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-01L	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-01M	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NI-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324641-01N	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2324641-01O	Plastic 500ml unpreserved	A	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2324641-01P	Amber 1000ml unpreserved	A	7	7	3.4	Y	Absent		HERB-APA(7)
L2324641-01Q	Amber 1000ml unpreserved	A	7	7	3.4	Y	Absent		HERB-APA(7)
L2324641-01R	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-01S	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-01T	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-02D	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2324641-02E	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2324641-02F	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2324641-02G	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2324641-02H	Plastic 250ml NaOH preserved	A	>12	>12	3.4	Y	Absent		TCN-9010(14)
L2324641-02I	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-02J	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-02K	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-02L	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-02M	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		SE-6020S(180),K-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-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),AL-6020S(180),HG-S(28),CD-6020S(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324641-02N	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2324641-02O	Plastic 500ml unpreserved	A	7	7	3.4	Y	Absent		HEXCR-7196(1)
L2324641-02P	Amber 1000ml unpreserved	A	7	7	3.4	Y	Absent		HERB-APA(7)
L2324641-02Q	Amber 1000ml unpreserved	A	7	7	3.4	Y	Absent		HERB-APA(7)
L2324641-02R	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-02S	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-02T	Plastic 500ml unpreserved	A	NA		3.4	Y	Absent		A2-1633-DRAFT(28)
L2324641-03A	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324641-03B	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324641-03C	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L2324641-03D	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324641-03E	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L2324641-03F	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324641-03G	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2324641-03H	Plastic 250ml NaOH preserved	B	>12	>12	3.6	Y	Absent		TCN-9010(14)
L2324641-03I	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-03J	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324641-03K	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-03L	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324641-03M	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324641-03N	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2324641-03O	Plastic 500ml unpreserved	B	7	7	3.6	Y	Absent		HEXCR-7196(1)
L2324641-03P	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		HERB-APA(7)
L2324641-03Q	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		HERB-APA(7)
L2324641-03R	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-1633-DRAFT(28)
L2324641-03S	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-1633-DRAFT(28)
L2324641-03T	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-1633-DRAFT(28)
L2324641-04A	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-1633-DRAFT(28)
L2324641-04B	Plastic 500ml unpreserved	B	NA		3.6	Y	Absent		A2-1633-DRAFT(28)
L2324641-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2324641-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Container Comments

L2324641-03P	cap received cracked, sample is intact

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324641
Report Date: 05/31/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324641
Report Date: 05/31/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324641
Project Number:	170635401	**Report Date:**	05/31/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 5/4/23

ALPHA Job #: L2324641

Client Information
Client: Langan
Address: 360 W 31st Street 8th Floor, NY, NY
Phone:
Fax:
Email: Anyiu@Langan.com

Project Information
Project Name: 641 Lenox Avenue - Phase I
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Anyiu
ALPHAQuote #: 21538

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

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

Billing Information
☑ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CC: ANesci@Langan.com & Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC's 5/8260's	PCB's	TAL Metals (Hex + Tri Chrome + D. 6010/7196)	Cyanide	Pest's / Herb's	PFAS (40 compounds)	1,4-Dioxane (8270 SIM)	VOC's only	Sample Specific Comments	Total Bottle
24641-01	PHI-MW04-050423	5/4/23	10:30	AQ	JF	X	X	X	X	X	X	X			
02	PHI-MW16-050423		12:50			X	X	X	X	X	X	X			
03	PHI-MW25-050423		15:00			X	X	X	X	X	X	X			
04	PHI-GWFB02-050423		14:45								X	X			
05	PHI-GWTB02-050423	↓		↓	↓								X		

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Fry	5/4/23	MDJV ALPHA	5/4/23 15:20
MDJV ALPHA	5/9/23 18:40		5/4/23 19:00
	5/4/23	AAL	5/4/23 21:30
AAL	5/4/23 23:30		05704123-2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2324970
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	691 LENOX AVENUE-PHASE 1
Project Number:	170635401
Report Date:	05/31/23

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-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2324970-01	PH1_MW21_050523	WATER	MANHATTAN, NY	05/05/23 13:30	05/05/23
L2324970-02	PH1_MW22_050523	WATER	MANHATTAN, NY	05/05/23 11:30	05/05/23
L2324970-03	PH1_GWFB03_050523	WATER	MANHATTAN, NY	05/05/23 10:00	05/05/23
L2324970-04	PH1_GWTB03_050523	WATER	MANHATTAN, NY	05/05/23 00:00	05/05/23

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970
Project Number: 170635401 **Report Date:** 05/31/23

Case Narrative (continued)

Report Submission
May 31, 2023: This final report includes the results of all requested analyses.
May 19, 2023: This is a preliminary report.
May 12, 2023: 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
L2324970-01: The collection date and time on the chain of custody was 05-MAY-23 11:30; however, the collection date/time on the container label was 05-MAY-23 13:30. At the client's request, the collection date/time is reported as 05-MAY-23 13:30.
L2324970-02: The collection date and time on the chain of custody was 05-MAY-23 13:30; however, the collection date/time on the container label was 05-MAY-23 11:30. At the client's request, the collection date/time is reported as 05-MAY-23 11:30.

Perfluorinated Alkyl Acids by 1633
L2324970-01, -02, and WG1784025-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
The WG1784025-4 MS recovery, performed on L2324970-02, is outside the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (151%).

Total Metals
L2324970-03: The Field Blank has a result for barium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1776254-3/-4 MS/MSD recoveries, performed on L2324970-02, are outside the acceptance criteria

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

Case Narrative (continued)

for magnesium (139%/139%). A post digestion spike was performed and was within acceptance criteria.
The WG1776254-3/-4 MS/MSD recoveries for calcium (60%/10%) and sodium (30%/10%), performed on L2324970-02, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1776254-6 serial dilution analysis, associated with L2324970-02, had a %D above the acceptance criteria for magnesium (22%).

Dissolved Metals
L2324970-03: The Field Blank has a result for barium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1776348-3 MS recovery for sodium (50%), performed on L2324970-02, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1776348-3/-4 MS/MSD recovery, performed on L2324970-02, is outside the acceptance criteria for magnesium (139%/151%). 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:  Cristin Walker

Title: Technical Director/Representative Date: 05/31/23

ORGANICS

VOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/23 12:14
Analyst: KJD

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.88	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	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30
Client ID: PH1_MW22_050523 Date Received: 05/05/23
Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/23 12:36
Analyst: KJD

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	24		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00
Client ID: PH1_GWFB03_050523 Date Received: 05/05/23
Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/23 12:58
Analyst: KJD

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-04
Client ID: PH1_GWTB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 00:00
Date Received: 05/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/23 13:20
Analyst: KJD

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

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-04 Date Collected: 05/05/23 00:00

Client ID: PH1_GWTB03_050523 Date Received: 05/05/23

Sample Location: 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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-04 Date Collected: 05/05/23 00:00

Client ID: PH1_GWTB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/10/23 07:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1777169-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/10/23 07:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1777169-5					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/10/23 07:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1777169-5					
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	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1777169-3 WG1777169-4								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	95		92		70-130	3		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	98		110		70-130	12		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
1,1-Dichloropropene	99		89		70-130	11		20
Bromoform	93		96		54-136	3		20
1,1,2,2-Tetrachloroethane	94		97		67-130	3		20
Benzene	99		100		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	95		100		64-130	5		20
Bromomethane	66		68		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1777169-3 WG1777169-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	99		110		61-145	11		20
trans-1,2-Dichloroethene	86		100		70-130	15		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	98		99		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	90		86		63-130	5		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	92		91		70-130	1		20
Dibromomethane	90		98		70-130	9		20
1,2,3-Trichloropropane	91		88		64-130	3		20
Acrylonitrile	90		93		70-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	83		97		58-148	16		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	76		84		63-138	10		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	87		88		59-130	1		20
2-Hexanone	80		86		57-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1777169-3 WG1777169-4								
Bromochloromethane	91		95		70-130	4		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	96		95		70-130	1		20
1,1,1,2-Tetrachloroethane	99		99		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	98		100		53-136	2		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	100		95		70-130	5		20
o-Chlorotoluene	100		99		70-130	1		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	92		94		41-144	2		20
Hexachlorobutadiene	98		100		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	89		93		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	93		96		70-130	3		20
1,2,4-Trichlorobenzene	99		98		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	99		97		70-130	2		20
1,4-Dioxane	86		90		56-162	5		20
p-Diethylbenzene	94		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1777169-3 WG1777169-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	93		98		70-130	5		20
Ethyl ether	91		91		59-134	0		20
trans-1,4-Dichloro-2-butene	94		96		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		108		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-04 QC Batch ID: WG1777169-6 WG1777169-7 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Methylene chloride	ND	10	10	100		11	110		70-130	10		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		13	130		63-132	8		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.8	98		11	110		63-130	12		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	ND	10	10	100		11	110		70-130	10		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	14	140		13	130		62-150	7		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	11	110		12	120		70-130	9		20
Bromoform	ND	10	10	100		11	110		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	11	110		11	110		67-130	0		20
Benzene	ND	10	11	110		12	120		70-130	9		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	10	100		11	110		70-130	10		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	13	130		12	120		39-139	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-04 QC Batch ID: WG1777169-6 WG1777169-7 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Vinyl chloride	ND	10	12	120		13	130		55-140	8		20
Chloroethane	ND	10	12	120		13	130		55-138	8		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	9.8	98		11	110		70-130	12		20
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
Methyl tert butyl ether	24	10	35	110		34	100		63-130	3		20
p/m-Xylene	ND	20	20	100		22	110		70-130	10		20
o-Xylene	ND	20	21	105		22	110		70-130	5		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	100		10	100		64-130	0		20
Acrylonitrile	ND	10	8.4	84		8.6	86		70-130	2		20
Styrene	ND	20	21	105		21	105		70-130	0		20
Dichlorodifluoromethane	ND	10	13	130		12	120		36-147	8		20
Acetone	ND	10	12	120		10	100		58-148	18		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	9.4	94		11	110		63-138	16		20
Vinyl acetate	ND	10	13	130		13	130		70-130	0		20
4-Methyl-2-pentanone	ND	10	9.5	95		10	100		59-130	5		20
2-Hexanone	ND	10	9.9	99		10	100		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-04 QC Batch ID: WG1777169-6 WG1777169-7 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Bromochloromethane	ND	10	11	110		12	120		70-130	9		20
2,2-Dichloropropane	ND	10	9.4	94		9.9	99		63-133	5		20
1,2-Dibromoethane	ND	10	10	100		11	110		70-130	10		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		11	110		64-130	10		20
Bromobenzene	ND	10	10	100		11	110		70-130	10		20
n-Butylbenzene	ND	10	10	100		11	110		53-136	10		20
sec-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
tert-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
o-Chlorotoluene	ND	10	10	100		11	110		70-130	10		20
p-Chlorotoluene	ND	10	10	100		11	110		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		10	100		41-144	10		20
Hexachlorobutadiene	ND	10	12	120		12	120		63-130	0		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	10	100		12	120		70-130	18		20
Naphthalene	ND	10	10	100		11	110		70-130	10		20
n-Propylbenzene	ND	10	11	110		11	110		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	11	110		11	110		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	ND	500	540	108		560	112		56-162	4		20
p-Diethylbenzene	ND	10	9.6	96		11	110		70-130	14		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-04 QC Batch ID: WG1777169-6 WG1777169-7 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
p-Ethyltoluene	ND	10	11	110		11	110		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.5	95		11	110		70-130	15		20
Ethyl ether	ND	10	11	110		8.4	84		59-134	**27**	Q	20
trans-1,4-Dichloro-2-butene	ND	10	9.5	95		10	100		70-130	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		109		70-130
4-Bromofluorobenzene	100		106		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	99		101		70-130

SEMIVOLATILES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/12/23 05:48
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:43

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	7.6	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	53		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	60		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/12/23 11:11
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.01	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	0.03	J	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	0.06	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	0.37		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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	53		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	73		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/16/23 10:02
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/12/23 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/30/23 14:28
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.08	J	ng/l	5.98	0.956	1
Perfluoropentanoic Acid (PFPeA)	4.48		ng/l	2.99	0.800	1
Perfluorobutanesulfonic Acid (PFBS)	3.44		ng/l	1.49	0.501	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.98	1.56	1
Perfluorohexanoic Acid (PFHxA)	4.48		ng/l	1.49	0.441	1
Perfluoropentanesulfonic Acid (PFPeS)	0.598	J	ng/l	1.49	0.262	1
Perfluoroheptanoic Acid (PFHpA)	2.32		ng/l	1.49	0.299	1
Perfluorohexanesulfonic Acid (PFHxS)	3.36		ng/l	1.49	0.359	1
Perfluorooctanoic Acid (PFOA)	5.75		ng/l	1.49	0.650	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.98	2.02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.49	0.404	1
Perfluorononanoic Acid (PFNA)	1.64		ng/l	1.49	0.471	1
Perfluorooctanesulfonic Acid (PFOS)	21.1		ng/l	1.49	0.680	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.49	0.605	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.98	2.32	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.49	0.463	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.49	0.814	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.49	0.650	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.49	0.344	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.49	0.404	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.49	0.807	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.49	0.687	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.49	0.560	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.49	0.396	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.98	0.837	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.98	0.942	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.49	0.568	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.98	1.23	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.98	1.23	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.49	0.650	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.49	0.687	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.9	3.51	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.9	1.83	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.99	0.426	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.99	0.396	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.99	0.329	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.99	1.76	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.47	2.46	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.4	8.74	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.4	5.90	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	57		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**178**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	97		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	94		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	108		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	109		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	76		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	65		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	102		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	59		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	57		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	72		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/12/23 04:37
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:43

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	7.6	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	47		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	72		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/12/23 12:01
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:42

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	0.02	J	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	0.04	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	43		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	80		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/16/23 10:25
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/12/23 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	52.7	J	ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/30/23 13:18
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.52	J	ng/l	6.24	0.998	1
Perfluoropentanoic Acid (PFPeA)	3.12		ng/l	3.12	0.834	1
Perfluorobutanesulfonic Acid (PFBS)	4.44		ng/l	1.56	0.522	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.24	1.63	1
Perfluorohexanoic Acid (PFHxA)	2.42		ng/l	1.56	0.460	1
Perfluoropentanesulfonic Acid (PFPeS)	0.546	J	ng/l	1.56	0.273	1
Perfluoroheptanoic Acid (PFHpA)	1.25	J	ng/l	1.56	0.312	1
Perfluorohexanesulfonic Acid (PFHxS)	1.95		ng/l	1.56	0.374	1
Perfluorooctanoic Acid (PFOA)	4.99		ng/l	1.56	0.678	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.24	2.10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.56	0.421	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.56	0.491	1
Perfluorooctanesulfonic Acid (PFOS)	5.53		ng/l	1.56	0.709	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.56	0.631	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.24	2.42	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.56	0.483	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.56	0.850	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.56	0.678	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.56	0.358	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.56	0.421	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.56	0.842	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.56	0.717	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.56	0.585	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.56	0.413	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.24	0.873	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.24	0.982	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.56	0.592	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.24	1.29	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.24	1.29	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.56	0.678	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.56	0.717	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.6	3.66	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.6	1.91	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.12	0.444	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.12	0.413	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.12	0.343	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.12	1.84	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.80	2.57	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.0	9.12	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	39.0	6.15	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	57		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	79		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**156**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	66		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	92		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	71		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	98		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	62		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	89		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	55		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/12/23 06:11
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:43

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	7.8	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	53		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	64		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/12/23 12:17
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:42

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	0.33		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	0.07	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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	54		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	80		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/16/23 11:37
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/12/23 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 05/30/23 14:41
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.85	0.936	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.92	0.782	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.46	0.490	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.85	1.53	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.46	0.431	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.46	0.256	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.46	0.292	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.46	0.351	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.46	0.636	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.85	1.97	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.46	0.395	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.46	0.460	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.46	0.665	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.46	0.592	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.85	2.27	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.46	0.453	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.46	0.797	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.46	0.636	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.46	0.336	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.46	0.395	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.46	0.789	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.46	0.672	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.46	0.548	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.46	0.387	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.85	0.819	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.85	0.921	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.46	0.556	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.85	1.21	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.85	1.21	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.46	0.636	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.46	0.672	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.6	3.44	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.6	1.79	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.92	0.417	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.92	0.387	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.92	0.322	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.92	1.72	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.31	2.41	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	36.5	8.55	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	36.5	5.77	1

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	119		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	103		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	98		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	87		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	67		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	63		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	88		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	66		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	68		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	82		20-150

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/11/23 12:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1777371-1					
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	73		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	86		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 08:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1777372-1					
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/23 08:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1777372-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	91		41-149

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/16/23 08:53
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 05/12/23 13:40

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1778325-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/30/23 12:27
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1784025-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/30/23 12:27
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1784025-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/30/23 12:27
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 05/27/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1784025-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	109		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	99		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	73		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	50		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	73		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	84		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
Acenaphthene	82		85		37-111	4		30
1,2,4-Trichlorobenzene	75		75		39-98	0		30
Hexachlorobenzene	80		80		40-140	0		30
Bis(2-chloroethyl)ether	91		92		40-140	1		30
2-Chloronaphthalene	75		77		40-140	3		30
1,2-Dichlorobenzene	77		81		40-140	5		30
1,3-Dichlorobenzene	79		78		40-140	1		30
1,4-Dichlorobenzene	79		79		36-97	0		30
3,3'-Dichlorobenzidine	54		58		40-140	7		30
2,4-Dinitrotoluene	104		104		48-143	0		30
2,6-Dinitrotoluene	89		81		40-140	9		30
Fluoranthene	82		82		40-140	0		30
4-Chlorophenyl phenyl ether	82		80		40-140	2		30
4-Bromophenyl phenyl ether	79		80		40-140	1		30
Bis(2-chloroisopropyl)ether	107		115		40-140	7		30
Bis(2-chloroethoxy)methane	99		101		40-140	2		30
Hexachlorobutadiene	69		72		40-140	4		30
Hexachlorocyclopentadiene	71		74		40-140	4		30
Hexachloroethane	84		90		40-140	7		30
Isophorone	87		88		40-140	1		30
Naphthalene	79		81		40-140	3		30
Nitrobenzene	89		100		40-140	12		30
NDPA/DPA	83		83		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
n-Nitrosodi-n-propylamine	93		94		29-132	1		30
Bis(2-ethylhexyl)phthalate	111		115		40-140	4		30
Butyl benzyl phthalate	89		94		40-140	5		30
Di-n-butylphthalate	95		96		40-140	1		30
Di-n-octylphthalate	107		105		40-140	2		30
Diethyl phthalate	96		101		40-140	5		30
Dimethyl phthalate	77		82		40-140	6		30
Benzo(a)anthracene	92		92		40-140	0		30
Benzo(a)pyrene	85		89		40-140	5		30
Benzo(b)fluoranthene	83		86		40-140	4		30
Benzo(k)fluoranthene	82		85		40-140	4		30
Chrysene	91		90		40-140	1		30
Acenaphthylene	81		85		45-123	5		30
Anthracene	88		90		40-140	2		30
Benzo(ghi)perylene	101		102		40-140	1		30
Fluorene	88		88		40-140	0		30
Phenanthrene	89		90		40-140	1		30
Dibenzo(a,h)anthracene	98		97		40-140	1		30
Indeno(1,2,3-cd)pyrene	96		95		40-140	1		30
Pyrene	79		81		26-127	3		30
Biphenyl	71		75		40-140	5		30
4-Chloroaniline	50		50		40-140	0		30
2-Nitroaniline	82		88		52-143	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3								
3-Nitroaniline	76		78		25-145	3		30
4-Nitroaniline	87		88		51-143	1		30
Dibenzofuran	90		89		40-140	1		30
2-Methylnaphthalene	76		79		40-140	4		30
1,2,4,5-Tetrachlorobenzene	64		65		2-134	2		30
Acetophenone	73		76		39-129	4		30
2,4,6-Trichlorophenol	71		76		30-130	7		30
p-Chloro-m-cresol	82		88		23-97	7		30
2-Chlorophenol	80		84		27-123	5		30
2,4-Dichlorophenol	78		80		30-130	3		30
2,4-Dimethylphenol	48		50		30-130	4		30
2-Nitrophenol	86		90		30-130	5		30
4-Nitrophenol	**129**	Q	**127**	Q	10-80	2		30
2,4-Dinitrophenol	98		92		20-130	6		30
4,6-Dinitro-o-cresol	111		107		20-164	4		30
Pentachlorophenol	92		90		9-103	2		30
Phenol	70		71		12-110	1		30
2-Methylphenol	75		77		30-130	3		30
3-Methylphenol/4-Methylphenol	81		86		30-130	6		30
2,4,5-Trichlorophenol	75		79		30-130	5		30
Benzoic Acid	106		104		10-164	2		30
Benzyl Alcohol	80		77		26-116	4		30
Carbazole	91		90		55-144	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 Batch: WG1777371-2 WG1777371-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		83		21-120
Phenol-d6	77		73		10-120
Nitrobenzene-d5	110		110		23-120
2-Fluorobiphenyl	84		83		15-120
2,4,6-Tribromophenol	96		94		10-120
4-Terphenyl-d14	79		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1777372-2 WG1777372-3								
Acenaphthene	76		83		40-140	9		40
2-Chloronaphthalene	76		82		40-140	8		40
Fluoranthene	86		94		40-140	9		40
Hexachlorobutadiene	76		82		40-140	8		40
Naphthalene	73		78		40-140	7		40
Benzo(a)anthracene	85		91		40-140	7		40
Benzo(a)pyrene	90		94		40-140	4		40
Benzo(b)fluoranthene	84		92		40-140	9		40
Benzo(k)fluoranthene	95		96		40-140	1		40
Chrysene	81		84		40-140	4		40
Acenaphthylene	79		85		40-140	7		40
Anthracene	82		87		40-140	6		40
Benzo(ghi)perylene	74		78		40-140	5		40
Fluorene	79		86		40-140	8		40
Phenanthrene	77		82		40-140	6		40
Dibenzo(a,h)anthracene	79		84		40-140	6		40
Indeno(1,2,3-cd)pyrene	72		77		40-140	7		40
Pyrene	86		93		40-140	8		40
2-Methylnaphthalene	77		82		40-140	6		40
Pentachlorophenol	109		115		40-140	5		40
Hexachlorobenzene	86		91		40-140	6		40
Hexachloroethane	72		77		40-140	7		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1777372-2 WG1777372-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		81		21-120
Phenol-d6	69		72		10-120
Nitrobenzene-d5	90		97		23-120
2-Fluorobiphenyl	82		87		15-120
2,4,6-Tribromophenol	**121**	Q	**129**	Q	10-120
4-Terphenyl-d14	95		102		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1778325-2		WG1778325-3			
1,4-Dioxane	114		116		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	53		52		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	99		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	86		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	95		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	105		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	90		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	78		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	79		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	75		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	93		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	73		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	82		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	80		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	91		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	78		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	60		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	80		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	68		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	90		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	98		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	89		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	78		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	71		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	75		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	88		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	85		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	100		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	95		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	106		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	101		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	116		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	90		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	91		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	73		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	105				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	103				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	94				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	93				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	92				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	109				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	77				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	68				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	82				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	103				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-3								
Perfluorobutanoic Acid (PFBA)	90		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	82		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	116		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	93		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	82		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	86		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	69		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	70		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	68		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	85		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	75		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	92		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	88		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	83		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	72		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	70		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	89		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	82		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	96		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	77		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	70		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-3								
Perfluorotridecanoic Acid (PFTrDA)	94		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	110		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	92		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	73		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	76		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	75		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	64		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	86		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	101		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	81		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	94		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	91		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	105		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	84		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	77		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	90		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	77		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	70		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1784025-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	100				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	110				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	109				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	100				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	110				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	90				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	96				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	118				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	53				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	85				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	102				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777371-4 WG1777371-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
1,2,4-Trichlorobenzene	ND	18.2	11	61		13	72		39-98	17		30
Bis(2-chloroethyl)ether	ND	18.2	14	77		16	88		40-140	13		30
1,2-Dichlorobenzene	ND	18.2	11	61		13	72		40-140	17		30
1,3-Dichlorobenzene	ND	18.2	12	66		12	66		40-140	0		30
1,4-Dichlorobenzene	ND	18.2	11	61		12	66		36-97	9		30
3,3'-Dichlorobenzidine	ND	18.2	3.9J	**21**	Q	3.7J	**20**	Q	40-140	5		30
2,4-Dinitrotoluene	ND	18.2	16	88		19	100		48-143	17		30
2,6-Dinitrotoluene	ND	18.2	14	77		16	88		40-140	13		30
4-Chlorophenyl phenyl ether	ND	18.2	13	72		14	77		40-140	7		30
4-Bromophenyl phenyl ether	ND	18.2	14	77		15	83		40-140	7		30
Bis(2-chloroisopropyl)ether	ND	18.2	16	88		17	94		40-140	6		30
Bis(2-chloroethoxy)methane	ND	18.2	15	83		16	88		40-140	6		30
Hexachlorocyclopentadiene	ND	18.2	11.J	61		13.J	72		40-140	17		30
Isophorone	ND	18.2	13	72		15	83		40-140	14		30
Nitrobenzene	ND	18.2	15	83		17	94		40-140	13		30
NDPA/DPA	ND	18.2	14	77		16	88		40-140	13		30
n-Nitrosodi-n-propylamine	ND	18.2	14	77		16	88		29-132	13		30
Bis(2-ethylhexyl)phthalate	ND	18.2	18	99		20	110		40-140	11		30
Butyl benzyl phthalate	ND	18.2	14	77		16	88		40-140	13		30
Di-n-butylphthalate	ND	18.2	15	83		16	88		40-140	6		30
Di-n-octylphthalate	ND	18.2	18	99		19	100		40-140	5		30
Diethyl phthalate	ND	18.2	16	88		18	99		40-140	12		30
Dimethyl phthalate	ND	18.2	12	66		15	83		40-140	22		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777371-4 WG1777371-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Biphenyl	ND	18.2	11	61		13	72		40-140	17		30
4-Chloroaniline	ND	18.2	9.1	50		11	61		40-140	19		30
2-Nitroaniline	ND	18.2	12	66		14	77		52-143	15		30
3-Nitroaniline	ND	18.2	12	66		12	66		25-145	0		30
4-Nitroaniline	ND	18.2	10	55		11	61		51-143	10		30
Dibenzofuran	ND	18.2	14	77		16	88		40-140	13		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	9.9J	54		12	66		2-134	19		30
Acetophenone	ND	18.2	11	61		13	72		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	13	72		16	88		23-97	21		30
2-Chlorophenol	ND	18.2	12	66		14	77		27-123	15		30
2,4-Dichlorophenol	ND	18.2	12	66		14	77		30-130	15		30
2,4-Dimethylphenol	ND	18.2	8.4	46		9.5	52		30-130	12		30
2-Nitrophenol	ND	18.2	14	77		16	88		30-130	13		30
4-Nitrophenol	ND	18.2	19	**100**	Q	22	**120**	Q	10-80	15		30
2,4-Dinitrophenol	ND	18.2	16.J	88		18.J	99		20-130	12		30
4,6-Dinitro-o-cresol	ND	18.2	17	94		20	110		20-164	16		30
Phenol	ND	18.2	9.0	50		11	61		12-110	20		30
2-Methylphenol	ND	18.2	12	66		14	77		30-130	15		30
3-Methylphenol/4-Methylphenol	ND	18.2	13	72		14	77		30-130	7		30
2,4,5-Trichlorophenol	ND	18.2	12	66		15	83		30-130	22		30
Benzoic Acid	7.6J	18.2	18.J	99		20.J	110		10-164	11		30
Benzyl Alcohol	ND	18.2	11	61		13	72		26-116	17		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777371-4 WG1777371-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Carbazole	ND	18.2	14	77		15	83		55-144	7		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	77		92		10-120
2-Fluorobiphenyl	63		78		15-120
2-Fluorophenol	59		70		21-120
4-Terphenyl-d14	64		66		41-149
Nitrobenzene-d5	77		85		23-120
Phenol-d6	48		61		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1777372-4 WG1777372-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Acenaphthene	ND	18.2	13	72		13	72		40-140	0		40
2-Chloronaphthalene	ND	18.2	13	72		13	72		40-140	0		40
Fluoranthene	ND	18.2	15	83		14	77		40-140	7		40
Hexachlorobutadiene	ND	18.2	12	66		12	66		40-140	0		40
Naphthalene	ND	18.2	14	77		13	72		40-140	7		40
Benzo(a)anthracene	ND	18.2	14	77		14	77		40-140	0		40
Benzo(a)pyrene	ND	18.2	16	88		15	83		40-140	6		40
Benzo(b)fluoranthene	ND	18.2	15	83		15	83		40-140	0		40
Benzo(k)fluoranthene	ND	18.2	16	88		15	83		40-140	6		40
Chrysene	ND	18.2	14	77		14	77		40-140	0		40
Acenaphthylene	ND	18.2	14	77		14	77		40-140	0		40
Anthracene	ND	18.2	14	77		14	77		40-140	0		40
Benzo(ghi)perylene	ND	18.2	15	83		15	83		40-140	0		40
Fluorene	0.02J	18.2	14	77		14	77		40-140	0		40
Phenanthrene	ND	18.2	13	72		13	72		40-140	0		40
Dibenzo(a,h)anthracene	ND	18.2	15	83		15	83		40-140	0		40
Indeno(1,2,3-cd)pyrene	ND	18.2	14	77		14	77		40-140	0		40
Pyrene	ND	18.2	15	83		14	77		40-140	7		40
2-Methylnaphthalene	0.04J	18.2	13	72		13	72		40-140	0		40
Pentachlorophenol	ND	18.2	18	99		18	99		40-140	0		40
Hexachlorobenzene	ND	18.2	14	77		14	77		40-140	0		40
Hexachloroethane	ND	18.2	11	61		12	66		40-140	9		40

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1777372-4 WG1777372-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	107		104		10-120
2-Fluorobiphenyl	71		72		15-120
2-Fluorophenol	58		60		21-120
4-Terphenyl-d14	77		78		41-149
Nitrobenzene-d5	76		76		23-120
Phenol-d6	51		53		10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1778325-4 WG1778325-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
1,4-Dioxane	52.7J	4630	5350	116		5810	116		40-140	8		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	46		50		15-110

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1784025-4 WG1784025-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Perfluorobutanoic Acid (PFBA)	4.52J	79.7	75.8	89		78.2	96		40-150	3		30
Perfluoropentanoic Acid (PFPeA)	3.12	39.8	35.5	81		37.1	88		40-150	4		30
Perfluorobutanesulfonic Acid (PFBS)	4.44	17.7	20.5	91		22.0	103		40-150	7		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	74.7	61.4	82		66.1	92		40-150	7		30
Perfluorohexanoic Acid (PFHxA)	2.42	19.9	19.7	87		20.3	93		40-150	3		30
Perfluoropentanesulfonic Acid (PFPeS)	0.546J	18.7	16.3	84		18.0	96		40-150	10		30
Perfluoroheptanoic Acid (PFHpA)	1.25J	19.9	13.9	64		14.9	71		40-150	7		30
Perfluorohexanesulfonic Acid (PFHxS)	1.95	18.2	14.2	67		15.1	75		40-150	6		30
Perfluorooctanoic Acid (PFOA)	4.99	19.9	16.2	56		18.4	70		40-150	13		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	75.7	72.3	96		78.7	107		40-150	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	19	16.9	89		17.6	96		40-150	4		30
Perfluorononanoic Acid (PFNA)	ND	19.9	21.9	110		23.4	121		40-150	7		30
Perfluorooctanesulfonic Acid (PFOS)	5.53	18.5	25.8	110		24.2	104		40-150	6		30
Perfluorodecanoic Acid (PFDA)	ND	19.9	17.6	88		18.4	96		40-150	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	76.5	78.3	102		78.7	106		40-150	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	19.2	12.6	66		13.2	71		40-150	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	19.9	30.0	**151**	Q	28.4	147		40-150	5		30
Perfluoroundecanoic Acid (PFUnA)	ND	19.9	22.5	113		20.8	108		40-150	8		30
Perfluorodecanesulfonic Acid (PFDS)	ND	19.2	16.3	85		15.7	84		40-150	4		30
Perfluorooctanesulfonamide (PFOSA)	ND	19.9	23.7	119		23.7	123		40-150	0		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	19.9	20.6	103		17.3	90		40-150	17		30
Perfluorododecanoic Acid (PFDoA)	ND	19.9	18.3	92		18.4	96		40-150	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1784025-4 WG1784025-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Perfluorotridecanoic Acid (PFTrDA)	ND	19.9	21.8	109		21.0	109		40-150	4		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	19.9	24.6	123		26.7	139		40-150	8		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	79.7	79.1	99		89.1	116		40-150	12		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	75.3	60.3	80		66.0	91		40-150	9		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	19.3	15.2	79		14.6	78		40-150	4		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	74.5	51.1	69		55.8	77		40-150	9		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	75.3	41.8	56		41.8	57		40-150	0		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	19.9	17.2	86		16.5	86		40-150	4		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	19.9	22.9	115		20.8	108		40-150	10		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	199	194	97		193	100		40-150	1		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	199	227	114		220	114		40-150	3		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	39.8	39.7	100		42.0	109		40-150	6		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	39.8	47.1	118		49.8	129		40-150	6		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	35.5	31.3	88		31.4	92		40-150	0		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	39.8	30.0	75		34.7	90		40-150	15		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	99.6	92.3	93		104	108		40-150	12		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	498	419	84		421	87		40-150	0		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	498	525	105		516	107		40-150	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1784025-4 WG1784025-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	107		100		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**187**	Q	**173**	Q	20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	118		106		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		50		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		71		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	61		62		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		52		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	62		61		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	56		53		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89		85		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	49		49		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		70		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		79		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64		59		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	68		68		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	75		72		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	102		92		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	56		53		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		43		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	64		59		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		74		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2324970

Project Number: 170635401 ***Report Date:*** 05/31/23

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 EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1784025-4 WG1784025-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	103		90		20-150

PCBS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/12/23 16:51
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 10:50
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/12/23 16:25
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 10:50
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/12/23 17:00
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 10:50
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/11/23 07:57
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 15:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777311-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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 Batch: WG1777311-2 WG1777311-3									
Aroclor 1016	94		87		40-140	8		50	A
Aroclor 1260	90		83		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		92		30-150	A
Decachlorobiphenyl	105		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	B
Decachlorobiphenyl	112		102		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777311-4 WG1777311-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523													
Aroclor 1016	ND	1.78	1.19	67		1.31	73		40-140	10		50	A
Aroclor 1260	ND	1.78	1.16	65		1.29	72		40-140	11		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		72		30-150	A
Decachlorobiphenyl	75		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		62		30-150	B
Decachlorobiphenyl	65		75		30-150	B

PESTICIDES

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/12/23 10:04
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:26

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 19:12
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

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	81		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/12/23 10:16
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:26

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 19:30
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

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	83		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/12/23 10:53
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/11/23 07:26

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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	57		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 05/10/23 19:49
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:27

Methylation Date: 05/09/23 19:12

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	76		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/10/23 16:27
Analyst: AAR

Extraction Method: EPA 8151A
Extraction Date: 05/08/23 15:26

Methylation Date: 05/09/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1776319-1						
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	86		30-150	A
DCAA	74		30-150	B

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:04
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777269-1						
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: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/23 10:04
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 05/10/23 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1777269-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1776319-2 WG1776319-3									
2,4-D	86		84		30-150	2		25	A
2,4,5-T	89		108		30-150	19		25	A
2,4,5-TP (Silvex)	89		96		30-150	8		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	96		84		30-150	A
DCAA	101		94		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

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: WG1777269-2 WG1777269-3									
Delta-BHC	58		55		30-150	5		20	A
Lindane	59		56		30-150	6		20	A
Alpha-BHC	60		55		30-150	7		20	A
Beta-BHC	65		61		30-150	7		20	A
Heptachlor	59		58		30-150	2		20	A
Aldrin	58		54		30-150	6		20	A
Heptachlor epoxide	59		56		30-150	4		20	A
Endrin	62		59		30-150	5		20	A
Endrin aldehyde	61		56		30-150	8		20	A
Endrin ketone	74		67		30-150	9		20	A
Dieldrin	68		62		30-150	8		20	A
4,4'-DDE	58		56		30-150	4		20	A
4,4'-DDD	68		63		30-150	7		20	A
4,4'-DDT	68		69		30-150	2		20	A
Endosulfan I	78		64		30-150	20		20	A
Endosulfan II	63		59		30-150	6		20	A
Endosulfan sulfate	64		60		30-150	8		20	A
Methoxychlor	84		76		30-150	11		20	A
cis-Chlordane	53		49		30-150	7		20	A
trans-Chlordane	73		68		30-150	8		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1777269-2 WG1777269-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		52		30-150	A
Decachlorobiphenyl	81		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		56		30-150	B
Decachlorobiphenyl	82		79		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1776319-4 WG1776319-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523													
2,4-D	ND	5	4.79J	96		5.73J	115		30-150	18		25	A
2,4,5-T	ND	5	4.98	100		4.56	91		30-150	9		25	A
2,4,5-TP (Silvex)	ND	5	5.10	102		5.31	106		30-150	4		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	100		91		30-150	A
DCAA	76		74		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777269-4 WG1777269-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523													
Delta-BHC	ND	0.357	0.247	69		0.251	70		30-150	2		30	A
Lindane	ND	0.357	0.242	68		0.249	70		30-150	3		30	A
Alpha-BHC	ND	0.357	0.247	69		0.254	71		30-150	3		30	A
Beta-BHC	ND	0.357	0.246	69		0.248	69		30-150	1		30	A
Heptachlor	ND	0.357	0.248	69		0.256	72		30-150	3		30	A
Aldrin	ND	0.357	0.242	68		0.251	70		30-150	4		30	A
Heptachlor epoxide	ND	0.357	0.252	71		0.251	70		30-150	0		30	A
Endrin	ND	0.357	0.257	72		0.262	73		30-150	2		30	A
Endrin aldehyde	ND	0.357	0.232	65		0.234	66		30-150	1		30	A
Endrin ketone	ND	0.357	0.291	82		0.288	81		30-150	1		30	A
Dieldrin	ND	0.357	0.270	76		0.274	77		30-150	1		30	A
4,4'-DDE	ND	0.357	0.247	69		0.256	72		30-150	4		30	A
4,4'-DDD	ND	0.357	0.276	77		0.283	79		30-150	3		30	A
4,4'-DDT	ND	0.357	0.282	79		0.280	78		30-150	1		30	A
Endosulfan I	ND	0.357	0.244	68		0.248	69		30-150	2		30	A
Endosulfan II	ND	0.357	0.259	72		0.263	74		30-150	2		30	A
Endosulfan sulfate	ND	0.357	0.254	71		0.256	72		30-150	1		30	A
Methoxychlor	ND	0.357	0.284	80		0.284	80		30-150	0		30	A
cis-Chlordane	ND	0.357	0.215	60		0.226	63		30-150	5		30	A
trans-Chlordane	ND	0.357	0.273	76		0.283	79		30-150	4		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1 ***Lab Number:*** L2324970

Project Number: 170635401 ***Report Date:*** 05/31/23

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1777269-4 WG1777269-5 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	69		64		30-150	A
Decachlorobiphenyl	78		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		66		30-150	B
Decachlorobiphenyl	71		81		30-150	B

METALS

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0590		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00813		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Barium, Total	0.4317		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Calcium, Total	70.5		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00031	J	mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00673		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Iron, Total	37.0		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Lead, Total	0.00047	J	mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Magnesium, Total	20.4		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Manganese, Total	3.797		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/12/23 10:22	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00125	J	mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Potassium, Total	12.3		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Sodium, Total	154.		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 21:29	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/10/23 21:29	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01 Date Collected: 05/05/23 13:30

Client ID: PH1_MW21_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00813		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.4455		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	72.5		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00693		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Iron, Dissolved	38.1		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	23.7		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	3.894		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 01:02	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00128	J	mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	12.8		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	160.		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 23:08	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0123		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00292		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Barium, Total	0.1007		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Calcium, Total	159.		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00050	J	mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00071		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Iron, Total	2.36		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Lead, Total	0.00080	J	mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Magnesium, Total	28.3		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Manganese, Total	1.186		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 10:06	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00718		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Potassium, Total	22.6		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Sodium, Total	218.		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00465	J	mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 20:59	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.050	0.050	1		05/10/23 20:59	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02 Date Collected: 05/05/23 11:30

Client ID: PH1_MW22_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00641	J	mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00314		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.09860		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	156.		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00047	J	mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00062		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Iron, Dissolved	2.41		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Lead, Dissolved	0.00064	J	mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	28.6		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	1.129		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:36	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00690		mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	23.3		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	218.		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	0.00464	J	mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 21:59	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.0100	0.00327	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Barium, Total	0.00055		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/12/23 10:25	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 22:34	EPA 3005A	1,6020B	WKP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		05/10/23 22:34	NA	107,-	

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03 Date Collected: 05/05/23 10:00

Client ID: PH1_GWFB03_050523 Date Received: 05/05/23

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.00058		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 01:05	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 22:39	EPA 3005A	1,6020B	WKP

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

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 Batch: WG1776254-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/08/23 23:40	05/10/23 20:30	1,6020B	WKP

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): 01-03 Batch: WG1776256-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/23 00:10	05/11/23 09:59	1,7470A	DMB

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-03 Batch: WG1776348-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/09/23 14:33	05/10/23 22:30	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

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): 01-03 Batch: WG1776350-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/23 15:18	05/11/23 00:29	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776254-2								
Aluminum, Total	96		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	98		-		80-120	-		
Magnesium, Total	94		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	107		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	99		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776254-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776256-2					
Mercury, Total	91	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776348-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	104	-	80-120	-	
Calcium, Dissolved	91	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	92	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	99	-	80-120	-	
Potassium, Dissolved	94	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	106	-	80-120	-	
Sodium, Dissolved	106	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776348-2					
Zinc, Dissolved	100	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1776350-2					
Mercury, Dissolved	98	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776254-3 WG1776254-4 QC Sample: L2324970-02 Client ID: PH1_MW22_050523												
Aluminum, Total	0.0123	2	1.98	98		2.00	99		75-125	1		20
Antimony, Total	ND	0.5	0.5180	104		0.5048	101		75-125	3		20
Arsenic, Total	0.00292	0.12	0.1285	105		0.1277	104		75-125	1		20
Barium, Total	0.1007	2	2.043	97		2.057	98		75-125	1		20
Beryllium, Total	ND	0.05	0.05098	102		0.05030	101		75-125	1		20
Cadmium, Total	ND	0.053	0.05377	101		0.05384	102		75-125	0		20
Calcium, Total	159.	10	165	**60**	Q	160	**10**	Q	75-125	3		20
Chromium, Total	0.00050J	0.2	0.1948	97		0.1969	98		75-125	1		20
Cobalt, Total	0.00071	0.5	0.4896	98		0.4868	97		75-125	1		20
Copper, Total	ND	0.25	0.2482	99		0.2490	100		75-125	0		20
Iron, Total	2.36	1	3.26	90		3.25	89		75-125	0		20
Lead, Total	0.00080J	0.53	0.5214	98		0.5131	97		75-125	2		20
Magnesium, Total	28.3	10	42.2	**139**	Q	42.2	**139**	Q	75-125	0		20
Manganese, Total	1.186	0.5	1.630	89		1.631	89		75-125	0		20
Nickel, Total	0.00718	0.5	0.4865	96		0.4931	97		75-125	1		20
Potassium, Total	22.6	10	33.4	108		32.8	102		75-125	2		20
Selenium, Total	ND	0.12	0.128	107		0.121	101		75-125	6		20
Silver, Total	ND	0.05	0.05162	103		0.05250	105		75-125	2		20
Sodium, Total	218.	10	221	**30**	Q	219	**10**	Q	75-125	1		20
Thallium, Total	ND	0.12	0.1191	99		0.1158	96		75-125	3		20
Vanadium, Total	0.00465J	0.5	0.4951	99		0.4927	98		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

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 PH1_MW22_050523	QC Batch ID: WG1776254-3				WG1776254-4		QC Sample: L2324970-02	Client ID:	
Zinc, Total	ND	0.5	0.4840	97	0.4848	97	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 PH1_MW22_050523	QC Batch ID: WG1776256-3				WG1776256-4		QC Sample: L2324970-02	Client ID:	
Mercury, Total	ND	0.005	0.00480	96	0.00485	97	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1776348-3 WG1776348-4 QC Sample: L2324970-02 Client ID: PH1_MW22_050523											
Aluminum, Dissolved	0.00641J	2	1.99	100		1.99	100		75-125	0	20
Antimony, Dissolved	ND	0.5	0.4996	100		0.4964	99		75-125	1	20
Arsenic, Dissolved	0.00314	0.12	0.1307	106		0.1321	107		75-125	1	20
Barium, Dissolved	0.09860	2	2.099	100		2.123	101		75-125	1	20
Beryllium, Dissolved	ND	0.05	0.05244	105		0.05222	104		75-125	0	20
Cadmium, Dissolved	ND	0.053	0.05545	105		0.05554	105		75-125	0	20
Calcium, Dissolved	156.	10	165	90		168	120		75-125	2	20
Chromium, Dissolved	0.00047J	0.2	0.1991	100		0.1948	97		75-125	2	20
Cobalt, Dissolved	0.00062	0.5	0.4944	99		0.4900	98		75-125	1	20
Copper, Dissolved	ND	0.25	0.2538	102		0.2506	100		75-125	1	20
Iron, Dissolved	2.41	1	3.56	115		3.50	109		75-125	2	20
Lead, Dissolved	0.00064J	0.53	0.5288	100		0.5305	100		75-125	0	20
Magnesium, Dissolved	28.6	10	42.5	**139**	Q	43.7	**151**	Q	75-125	3	20
Manganese, Dissolved	1.129	0.5	1.674	109		1.669	108		75-125	0	20
Nickel, Dissolved	0.00690	0.5	0.5001	99		0.4938	97		75-125	1	20
Potassium, Dissolved	23.3	10	34.0	107		34.8	115		75-125	2	20
Selenium, Dissolved	ND	0.12	0.128	107		0.126	105		75-125	2	20
Silver, Dissolved	ND	0.05	0.05255	105		0.05322	106		75-125	1	20
Sodium, Dissolved	218.	10	223	**50**	Q	227	90		75-125	2	20
Thallium, Dissolved	ND	0.12	0.1233	103		0.1194	100		75-125	3	20
Vanadium, Dissolved	0.00464J	0.5	0.5048	101		0.4981	100		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

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): 01-03 QC Batch ID: WG1776348-3 WG1776348-4 QC Sample: L2324970-02 Client ID: PH1_MW22_050523									
Zinc, Dissolved	ND	0.5	0.4967	99	0.4940	99	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776350-3 WG1776350-4 QC Sample: L2324970-02 Client ID: PH1_MW22_050523									
Mercury, Dissolved	ND	0.005	0.00486	97	0.00491	98	75-125	1	20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2324970
Report Date: 05/31/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776254-6 QC Sample: L2324970-02 Client ID: PH1_MW22_050523						
Barium, Total	0.1007	0.1002	mg/l	0		20
Calcium, Total	159.	161.	mg/l	1		20
Iron, Total	2.36	2.39	mg/l	1		20
Magnesium, Total	28.3	34.4	mg/l	**22**	Q	20
Manganese, Total	1.186	1.197	mg/l	1		20
Potassium, Total	22.6	24.5	mg/l	8		20
Sodium, Total	218.	225.	mg/l	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1776348-6 QC Sample: L2324970-02 Client ID: PH1_MW22_050523						
Barium, Dissolved	0.09860	0.09758	mg/l	1		20
Calcium, Dissolved	156.	150.	mg/l	4		20
Iron, Dissolved	2.41	2.39	mg/l	1		20
Magnesium, Dissolved	28.6	31.3	mg/l	9		20
Manganese, Dissolved	1.129	1.143	mg/l	1		20
Potassium, Dissolved	23.3	23.2	mg/l	0		20
Sodium, Dissolved	218.	205.	mg/l	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-01
Client ID: PH1_MW21_050523
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water
Date Collected: 05/05/23 13:30
Date Received: 05/05/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	05/09/23 03:00	05/10/23 13:45	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/06/23 09:30	05/06/23 09:53	1,7196A	OCF

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-02
Client ID: PH1_MW22_050523
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water

Date Collected: 05/05/23 11:30
Date Received: 05/05/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/09/23 03:00	05/10/23 13:48	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.050	0.015	5	05/06/23 09:30	05/06/23 09:53	1,7196A	OCF

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401
Lab Number: L2324970
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2324970-03
Client ID: PH1_GWFB03_050523
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Water

Date Collected: 05/05/23 10:00
Date Received: 05/05/23
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/09/23 03:00	05/10/23 13:52	1,9010C/9012B	JER
Chromium, Hexavalent	0.005	J	mg/l	0.010	0.003	1	05/06/23 09:30	05/06/23 09:54	1,7196A	OCF

Project Name: 691 LENOX AVENUE-PHASE 1 **Lab Number:** L2324970

Project Number: 170635401 **Report Date:** 05/31/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1775593-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	05/06/23 09:30	05/06/23 09:49	1,7196A	OCF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1776444-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	05/09/23 03:00	05/10/23 13:36	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1775593-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1776444-2 WG1776444-3								
Cyanide, Total	91		96		85-115	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 PH1_MW22_050523				QC Batch ID: WG1775593-4			WG1775593-5		QC Sample: L2324970-02			Client ID:
Chromium, Hexavalent	ND	0.1	0.096	96		0.098	98		85-115	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 PH1_MW22_050523				QC Batch ID: WG1776444-4			WG1776444-5		QC Sample: L2324970-02			Client ID:
Cyanide, Total	ND	0.2	0.210	105		0.210	105		80-120	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 691 LENOX AVENUE-PHASE 1

Project Number: 170635401

Lab Number: L2324970

Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1775593-3 QC Sample: L2324970-02 Client ID: PH1_MW22_050523						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-01A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-01B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-01C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-01D	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2324970-01E	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2324970-01F	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2324970-01G	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2324970-01H	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-01I	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-01J	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-01K	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-01L	Plastic 250ml NaOH preserved	B	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2324970-01M	Plastic 250ml HNO3 preserved	B	<2	<2	2.3	Y	Absent		K-6020S(180),SE-6020S(180),CU-6020S(180),V-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),BA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-01N	Plastic 250ml HNO3 preserved	B	<2	<2	2.3	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2324970-01O	Plastic 500ml unpreserved	B	7	7	2.3	Y	Absent		HEXCR-7196(1)
L2324970-01P	Amber 1000ml unpreserved	B	7	7	2.3	Y	Absent		HERB-APA(7)
L2324970-01Q	Amber 1000ml unpreserved	B	7	7	2.3	Y	Absent		HERB-APA(7)
L2324970-01R	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-01S	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-01T	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-02A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-02B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2324970-02C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2324970-02D	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2324970-02D1	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2324970-02D2	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2324970-02E	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8081(7)
L2324970-02E1	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2324970-02E2	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2324970-02F	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2324970-02F1	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-02F2	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2324970-02G	Amber 120ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8082-LVI(365)
L2324970-02G1	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2324970-02G2	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2324970-02H	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02H1	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02H2	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02I	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02I1	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02I2	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-02J	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02J1	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02J2	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02K	Amber 250ml unpreserved	B	7	7	2.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02K1	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02K2	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-02L	Plastic 250ml NaOH preserved	B	>12	>12	2.3	Y	Absent		TCN-9010(14)
L2324970-02L1	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2324970-02L2	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L2324970-02M	Plastic 250ml HNO3 preserved	B	<2	<2	2.3	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-02M1	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2324970-02M2	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2324970-02N	Plastic 250ml HNO3 preserved	B	<2	<2	2.3	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2324970-02N1	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2324970-02N2	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2324970-02O	Plastic 500ml unpreserved	B	7	7	2.3	Y	Absent		HEXCR-7196(1)
L2324970-02O1	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-02O2	Plastic 500ml unpreserved	A	7	7	2.6	Y	Absent		HEXCR-7196(1)
L2324970-02P	Amber 1000ml unpreserved	B	7	7	2.3	Y	Absent		HERB-APA(7)
L2324970-02P1	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)
L2324970-02P2	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)
L2324970-02Q	Amber 1000ml unpreserved	B	7	7	2.3	Y	Absent		HERB-APA(7)
L2324970-02Q1	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)
L2324970-02Q2	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)
L2324970-02R	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02R1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02R2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02S	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02S1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02S2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02T	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02T1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-02T2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2324970-03A	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2324970-03B	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2324970-03C	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2324970-03D	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2324970-03E	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2324970-03F	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2324970-03G	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2324970-03H	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-03I	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2324970-03J	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-03K	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2324970-03L	Plastic 250ml NaOH preserved	D	>12	>12	2.7	Y	Absent		TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324970-03M	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2324970-03N	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2324970-03O	Plastic 500ml unpreserved	D	7	7	2.7	Y	Absent		HEXCR-7196(1)
L2324970-03P	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2324970-03Q	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2324970-03R	Plastic 500ml unpreserved	D	NA		2.7	Y	Absent		A2-1633-DRAFT(28)
L2324970-03S	Plastic 500ml unpreserved	D	NA		2.7	Y	Absent		A2-1633-DRAFT(28)
L2324970-04A	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2324970-04B	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 691 LENOX AVENUE-PHASE 1
Project Number: 170635401

Lab Number: L2324970
Report Date: 05/31/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

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:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	691 LENOX AVENUE-PHASE 1	**Lab Number:**	L2324970
Project Number:	170635401	**Report Date:**	05/31/23

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 625/625.1: alpha-Terpineol
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, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 05/05/23

ALPHA Job #: L2324970

Client Information

Client: Langan
Address: 360 W 31st Street 8th Floor, NY, NY
Phone:
Fax:
Email: GWyhs@Langan.com

Project Information

Project Name: 641 Lenox Avenue - Phase 1
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyhs
ALPHAQuote #: 26538

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments: + Datamanagement@Langan.com

cc: GWyhs@Langan.com & ANesc:@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs (SVOCs)	PCB's	TAL Metals w/ Hex +Tri chromium + B, Sulfide	Cyanide	Pests/Herbs	PFAS (537.1 compounds)	1,4-Dioxane (8270 SIM)	VOC's only	Sample Specific Comments	Total Bottle
24970-01	PH1 - MW21-050523	5/5/23	11:30	AQ	JF	X	X	X	X	X	X	X			
-02	PH1 - MW22-050523	↓	13:30	↓	JF	X	X	X	X	X	X	X			
-03	PH1 - GWFB03-050523	↓	10:00	↓	JF	X	X	X	X	X	X	X			
-04	PH1 - GWTB03-050523	↓	↓	↓	JF								X		

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

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

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

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
Jack Frey	5/5/23 1500		1730
	5/5/23 1800		5/5/23 18:45
	5/5/23		5/5/23 21:30
	5/5/23 23:30		5/5/23 23:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2412627
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVENUE-PHASE 1
Project Number:	170635402
Report Date:	05/01/24

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-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2412627-01	PH1_SB26_2-4	SOIL	MANHATTAN, NY	03/07/24 11:05	03/07/24
L2412627-02	PH1_SB26_8-10	SOIL	MANHATTAN, NY	03/07/24 14:45	03/07/24
L2412627-03	PH1_SB26_4-6	SOIL	MANHATTAN, NY	03/07/24 15:05	03/07/24

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2412627
Project Number:	170635402	**Report Date:**	05/01/24

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:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2412627
Project Number:	170635402	**Report Date:**	05/01/24

Case Narrative (continued)

Report Revision

May 01, 2024: The Perfluorinated Alkyl Acids by 1633 analyte list has been amended on L2412627-02.

Report Submission

March 15, 2024: This final report includes the results of all requested analyses.

March 15, 2024: This is a preliminary report.

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

Sample Receipt

The project number was specified by the client.

Perfluorinated Alkyl Acids by 1633

The WG1894799-2 LCS recoveries, associated with L2412627-01, -02, and -03, are above the acceptance criteria for perfluoropentanoic acid (pfpea) (151%), perfluorohexanoic acid (pfhxa) (157%), 2,3,3,3-tetrafluoro-2-[1,1,2,2,3,3,3-heptafluoropropoxy]-propanoic acid (hfpo-da) (151%) and perfluoro-3-methoxypropanoic acid (pfmpa) (157%); however, the associated samples are non-detect to the RL for these target analytes. The results of the original analysis are reported.

Total Metals

L2412627-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Hexavalent Chromium

The WG1894976-2 LCS recovery for chromium, hexavalent (78%), associated with L2412627-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2412627
Project Number:	170635402	**Report Date:**	05/01/24

Case Narrative (continued)

original analyses are reported.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 05/01/24

ORGANICS

VOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/13/24 17:51
Analyst: LAC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	440	200	1
1,1-Dichloroethane	ND		ug/kg	87	13.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	87	20.	1
1,2-Dichloropropane	ND		ug/kg	87	11.	1
Dibromochloromethane	ND		ug/kg	87	12.	1
1,1,2-Trichloroethane	ND		ug/kg	87	23.	1
Tetrachloroethene	49000	E	ug/kg	44	17.	1
Chlorobenzene	ND		ug/kg	44	11.	1
Trichlorofluoromethane	ND		ug/kg	350	61.	1
1,2-Dichloroethane	ND		ug/kg	87	22.	1
1,1,1-Trichloroethane	ND		ug/kg	44	15.	1
Bromodichloromethane	ND		ug/kg	44	9.5	1
trans-1,3-Dichloropropene	ND		ug/kg	87	24.	1
cis-1,3-Dichloropropene	ND		ug/kg	44	14.	1
1,3-Dichloropropene, Total	ND		ug/kg	44	14.	1
1,1-Dichloropropene	ND		ug/kg	44	14.	1
Bromoform	ND		ug/kg	350	22.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	14.	1
Benzene	ND		ug/kg	44	14.	1
Toluene	ND		ug/kg	87	47.	1
Ethylbenzene	12	J	ug/kg	87	12.	1
Chloromethane	ND		ug/kg	350	82.	1
Bromomethane	ND		ug/kg	170	51.	1
Vinyl chloride	ND		ug/kg	87	29.	1
Chloroethane	ND		ug/kg	170	40.	1
1,1-Dichloroethene	ND		ug/kg	87	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	31	J	ug/kg	44	12.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1
1,3-Dichlorobenzene	ND		ug/kg	170	13.	1
1,4-Dichlorobenzene	ND		ug/kg	170	15.	1
Methyl tert butyl ether	ND		ug/kg	170	18.	1
p/m-Xylene	ND		ug/kg	170	49.	1
o-Xylene	ND		ug/kg	87	25.	1
Xylenes, Total	ND		ug/kg	87	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	15.	1
1,2-Dichloroethene, Total	ND		ug/kg	87	12.	1
Dibromomethane	ND		ug/kg	170	21.	1
Styrene	ND		ug/kg	87	17.	1
Dichlorodifluoromethane	ND		ug/kg	870	80.	1
Acetone	ND		ug/kg	870	420	1
Carbon disulfide	ND		ug/kg	870	400	1
2-Butanone	ND		ug/kg	870	190	1
Vinyl acetate	ND		ug/kg	870	190	1
4-Methyl-2-pentanone	ND		ug/kg	870	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	11.	1
2-Hexanone	ND		ug/kg	870	100	1
Bromochloromethane	ND		ug/kg	170	18.	1
2,2-Dichloropropane	ND		ug/kg	170	18.	1
1,2-Dibromoethane	ND		ug/kg	87	24.	1
1,3-Dichloropropane	ND		ug/kg	170	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	12.	1
Bromobenzene	ND		ug/kg	170	13.	1
n-Butylbenzene	ND		ug/kg	87	15.	1
sec-Butylbenzene	ND		ug/kg	87	13.	1
tert-Butylbenzene	ND		ug/kg	170	10.	1
o-Chlorotoluene	ND		ug/kg	170	17.	1
p-Chlorotoluene	ND		ug/kg	170	9.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	87.	1
Hexachlorobutadiene	ND		ug/kg	350	15.	1
Isopropylbenzene	ND		ug/kg	87	9.5	1
p-Isopropyltoluene	ND		ug/kg	87	9.5	1
Naphthalene	1300		ug/kg	350	57.	1
Acrylonitrile	ND		ug/kg	350	100	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: MANHATTAN, NY 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	87	15.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	24.	1
1,3,5-Trimethylbenzene	ND		ug/kg	170	17.	1
1,2,4-Trimethylbenzene	ND		ug/kg	170	29.	1
1,4-Dioxane	ND		ug/kg	7000	3100	1
p-Diethylbenzene	ND		ug/kg	170	15.	1
p-Ethyltoluene	ND		ug/kg	170	34.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	170	17.	1
Ethyl ether	ND		ug/kg	170	30.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	89		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 D
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/13/24 22:24
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Tetrachloroethene	46000		ug/kg	220	86.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/13/24 16:59
Analyst: LAC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	1.7		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.21	1
Benzene	ND		ug/kg	0.65	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	0.26	J	ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	1.0	J	ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05
Client ID: PH1_SB26_4-6 Date Received: 03/07/24
Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/13/24 17:25
Analyst: LAC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	540	240	1
1,1-Dichloroethane	ND		ug/kg	110	16.	1
Chloroform	ND		ug/kg	160	15.	1
Carbon tetrachloride	ND		ug/kg	110	25.	1
1,2-Dichloropropane	ND		ug/kg	110	13.	1
Dibromochloromethane	ND		ug/kg	110	15.	1
1,1,2-Trichloroethane	ND		ug/kg	110	28.	1
Tetrachloroethene	15000		ug/kg	54	21.	1
Chlorobenzene	ND		ug/kg	54	14.	1
Trichlorofluoromethane	ND		ug/kg	430	74.	1
1,2-Dichloroethane	ND		ug/kg	110	28.	1
1,1,1-Trichloroethane	ND		ug/kg	54	18.	1
Bromodichloromethane	ND		ug/kg	54	12.	1
trans-1,3-Dichloropropene	ND		ug/kg	110	29.	1
cis-1,3-Dichloropropene	ND		ug/kg	54	17.	1
1,3-Dichloropropene, Total	ND		ug/kg	54	17.	1
1,1-Dichloropropene	ND		ug/kg	54	17.	1
Bromoform	ND		ug/kg	430	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	54	18.	1
Benzene	ND		ug/kg	54	18.	1
Toluene	ND		ug/kg	110	58.	1
Ethylbenzene	ND		ug/kg	110	15.	1
Chloromethane	ND		ug/kg	430	100	1
Bromomethane	ND		ug/kg	210	62.	1
Vinyl chloride	ND		ug/kg	110	36.	1
Chloroethane	ND		ug/kg	210	48.	1
1,1-Dichloroethene	ND		ug/kg	110	25.	1
trans-1,2-Dichloroethene	ND		ug/kg	160	15.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: MANHATTAN, NY 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	54	15.	1
1,2-Dichlorobenzene	ND		ug/kg	210	15.	1
1,3-Dichlorobenzene	ND		ug/kg	210	16.	1
1,4-Dichlorobenzene	ND		ug/kg	210	18.	1
Methyl tert butyl ether	ND		ug/kg	210	22.	1
p/m-Xylene	ND		ug/kg	210	60.	1
o-Xylene	ND		ug/kg	110	31.	1
Xylenes, Total	ND		ug/kg	110	31.	1
cis-1,2-Dichloroethene	ND		ug/kg	110	19.	1
1,2-Dichloroethene, Total	ND		ug/kg	110	15.	1
Dibromomethane	ND		ug/kg	210	25.	1
Styrene	ND		ug/kg	110	21.	1
Dichlorodifluoromethane	ND		ug/kg	1100	98.	1
Acetone	ND		ug/kg	1100	520	1
Carbon disulfide	ND		ug/kg	1100	490	1
2-Butanone	ND		ug/kg	1100	240	1
Vinyl acetate	ND		ug/kg	1100	230	1
4-Methyl-2-pentanone	ND		ug/kg	1100	140	1
1,2,3-Trichloropropane	ND		ug/kg	210	14.	1
2-Hexanone	ND		ug/kg	1100	130	1
Bromochloromethane	ND		ug/kg	210	22.	1
2,2-Dichloropropane	ND		ug/kg	210	22.	1
1,2-Dibromoethane	ND		ug/kg	110	30.	1
1,3-Dichloropropane	ND		ug/kg	210	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	54	14.	1
Bromobenzene	ND		ug/kg	210	16.	1
n-Butylbenzene	ND		ug/kg	110	18.	1
sec-Butylbenzene	ND		ug/kg	110	16.	1
tert-Butylbenzene	ND		ug/kg	210	13.	1
o-Chlorotoluene	ND		ug/kg	210	20.	1
p-Chlorotoluene	ND		ug/kg	210	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	110	1
Hexachlorobutadiene	ND		ug/kg	430	18.	1
Isopropylbenzene	ND		ug/kg	110	12.	1
p-Isopropyltoluene	ND		ug/kg	110	12.	1
Naphthalene	ND		ug/kg	430	70.	1
Acrylonitrile	ND		ug/kg	430	120	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: MANHATTAN, NY 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	110	18.	1
1,2,3-Trichlorobenzene	ND		ug/kg	210	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	29.	1
1,3,5-Trimethylbenzene	ND		ug/kg	210	21.	1
1,2,4-Trimethylbenzene	ND		ug/kg	210	36.	1
1,4-Dioxane	ND		ug/kg	8600	3800	1
p-Diethylbenzene	ND		ug/kg	210	19.	1
p-Ethyltoluene	ND		ug/kg	210	41.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	210	20.	1
Ethyl ether	ND		ug/kg	210	36.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	540	150	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	91		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1895932-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.28	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1895932-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1895932-5					
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	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1895933-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	14	J	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1895933-5					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03 Batch: WG1895933-5					
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	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 21:53
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1896302-5					
Tetrachloroethene	ND		ug/kg	25	9.8
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Trichloroethene	ND		ug/kg	25	6.8
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1895932-3 WG1895932-4								
Methylene chloride	76		77		70-130	1		30
1,1-Dichloroethane	104		107		70-130	3		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	75		77		70-130	3		30
1,2-Dichloropropane	111		113		70-130	2		30
Dibromochloromethane	91		95		70-130	4		30
1,1,2-Trichloroethane	90		95		70-130	5		30
Tetrachloroethene	78		80		70-130	3		30
Chlorobenzene	90		94		70-130	4		30
Trichlorofluoromethane	**63**	Q	**65**	Q	70-139	3		30
1,2-Dichloroethane	91		93		70-130	2		30
1,1,1-Trichloroethane	79		81		70-130	3		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	95		99		70-130	4		30
cis-1,3-Dichloropropene	99		102		70-130	3		30
1,1-Dichloropropene	83		86		70-130	4		30
Bromoform	85		88		70-130	3		30
1,1,2,2-Tetrachloroethane	97		101		70-130	4		30
Benzene	94		97		70-130	3		30
Toluene	91		95		70-130	4		30
Ethylbenzene	91		94		70-130	3		30
Chloromethane	118		121		52-130	3		30
Bromomethane	62		63		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1895932-3 WG1895932-4								
Vinyl chloride	88		91		67-130	3		30
Chloroethane	83		85		50-151	2		30
1,1-Dichloroethene	79		83		65-135	5		30
trans-1,2-Dichloroethene	90		92		70-130	2		30
Trichloroethene	91		92		70-130	1		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	89		90		70-130	1		30
1,4-Dichlorobenzene	88		88		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	94		96		70-130	2		30
o-Xylene	90		93		70-130	3		30
cis-1,2-Dichloroethene	86		92		70-130	7		30
Dibromomethane	85		88		70-130	3		30
Styrene	90		93		70-130	3		30
Dichlorodifluoromethane	57		59		30-146	3		30
Acetone	92		104		54-140	12		30
Carbon disulfide	89		92		59-130	3		30
2-Butanone	118		128		70-130	8		30
Vinyl acetate	104		112		70-130	7		30
4-Methyl-2-pentanone	114		126		70-130	10		30
1,2,3-Trichloropropane	90		94		68-130	4		30
2-Hexanone	112		126		70-130	12		30
Bromochloromethane	88		89		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1895932-3 WG1895932-4								
2,2-Dichloropropane	88		91		70-130	3		30
1,2-Dibromoethane	85		89		70-130	5		30
1,3-Dichloropropane	93		96		69-130	3		30
1,1,1,2-Tetrachloroethane	88		91		70-130	3		30
Bromobenzene	88		87		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	97		99		70-130	2		30
tert-Butylbenzene	94		95		70-130	1		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	91		92		70-130	1		30
1,2-Dibromo-3-chloropropane	91		96		68-130	5		30
Hexachlorobutadiene	76		76		67-130	0		30
Isopropylbenzene	96		99		70-130	3		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	99		102		70-130	3		30
Acrylonitrile	129		**139**	Q	70-130	7		30
n-Propylbenzene	98		99		70-130	1		30
1,2,3-Trichlorobenzene	87		88		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	94		96		70-130	2		30
1,2,4-Trimethylbenzene	95		96		70-130	1		30
1,4-Dioxane	104		110		65-136	6		30
p-Diethylbenzene	98		98		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1895932-3 WG1895932-4								
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		30
Ethyl ether	94		100		67-130	6		30
trans-1,4-Dichloro-2-butene	121		123		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1895933-3 WG1895933-4								
Methylene chloride	76		77		70-130	1		30
1,1-Dichloroethane	104		107		70-130	3		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	75		77		70-130	3		30
1,2-Dichloropropane	111		113		70-130	2		30
Dibromochloromethane	91		95		70-130	4		30
1,1,2-Trichloroethane	90		95		70-130	5		30
Tetrachloroethene	78		80		70-130	3		30
Chlorobenzene	90		94		70-130	4		30
Trichlorofluoromethane	**63**	Q	**65**	Q	70-139	3		30
1,2-Dichloroethane	91		93		70-130	2		30
1,1,1-Trichloroethane	79		81		70-130	3		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	95		99		70-130	4		30
cis-1,3-Dichloropropene	99		102		70-130	3		30
1,1-Dichloropropene	83		86		70-130	4		30
Bromoform	85		88		70-130	3		30
1,1,2,2-Tetrachloroethane	97		101		70-130	4		30
Benzene	94		97		70-130	3		30
Toluene	91		95		70-130	4		30
Ethylbenzene	91		94		70-130	3		30
Chloromethane	118		121		52-130	3		30
Bromomethane	62		63		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1895933-3 WG1895933-4								
Vinyl chloride	88		91		67-130	3		30
Chloroethane	83		85		50-151	2		30
1,1-Dichloroethene	79		83		65-135	5		30
trans-1,2-Dichloroethene	90		92		70-130	2		30
Trichloroethene	91		92		70-130	1		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	89		90		70-130	1		30
1,4-Dichlorobenzene	88		88		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	94		96		70-130	2		30
o-Xylene	90		93		70-130	3		30
cis-1,2-Dichloroethene	86		92		70-130	7		30
Dibromomethane	85		88		70-130	3		30
Styrene	90		93		70-130	3		30
Dichlorodifluoromethane	57		59		30-146	3		30
Acetone	92		104		54-140	12		30
Carbon disulfide	89		92		59-130	3		30
2-Butanone	118		128		70-130	8		30
Vinyl acetate	104		112		70-130	7		30
4-Methyl-2-pentanone	114		126		70-130	10		30
1,2,3-Trichloropropane	90		94		68-130	4		30
2-Hexanone	112		126		70-130	12		30
Bromochloromethane	88		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1895933-3 WG1895933-4								
2,2-Dichloropropane	88		91		70-130	3		30
1,2-Dibromoethane	85		89		70-130	5		30
1,3-Dichloropropane	93		96		69-130	3		30
1,1,1,2-Tetrachloroethane	88		91		70-130	3		30
Bromobenzene	88		87		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	97		99		70-130	2		30
tert-Butylbenzene	94		95		70-130	1		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	91		92		70-130	1		30
1,2-Dibromo-3-chloropropane	91		96		68-130	5		30
Hexachlorobutadiene	76		76		67-130	0		30
Isopropylbenzene	96		99		70-130	3		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	99		102		70-130	3		30
Acrylonitrile	129		**139**	Q	70-130	7		30
n-Propylbenzene	98		99		70-130	1		30
1,2,3-Trichlorobenzene	87		88		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	94		96		70-130	2		30
1,2,4-Trimethylbenzene	95		96		70-130	1		30
1,4-Dioxane	104		110		65-136	6		30
p-Diethylbenzene	98		98		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03 Batch: WG1895933-3 WG1895933-4								
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		30
Ethyl ether	94		100		67-130	6		30
trans-1,4-Dichloro-2-butene	121		123		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1896302-3 WG1896302-4								
Tetrachloroethene	105		103		70-130	2		30
Benzene	107		107		70-130	0		30
Toluene	102		101		70-130	1		30
Ethylbenzene	108		106		70-130	2		30
Trichloroethene	116		115		70-130	1		30
Methyl tert butyl ether	95		96		66-130	1		30
p/m-Xylene	110		107		70-130	3		30
o-Xylene	105		103		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		97		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	98		96		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/13/24 07:04
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	74	J	ug/kg	150	19.	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	2700		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	220	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	76	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	660		ug/kg	190	65.	1
Butyl benzyl phthalate	220		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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: 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	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1600		ug/kg	110	21.	1
Benzo(a)pyrene	1500		ug/kg	150	46.	1
Benzo(b)fluoranthene	1800		ug/kg	110	32.	1
Benzo(k)fluoranthene	700		ug/kg	110	30.	1
Chrysene	1600		ug/kg	110	20.	1
Acenaphthylene	240		ug/kg	150	29.	1
Anthracene	460		ug/kg	110	37.	1
Benzo(ghi)perylene	1200		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	190	18.	1
Phenanthrene	1700		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	280		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	26.	1
Pyrene	2400		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	62	J	ug/kg	190	18.	1
2-Methylnaphthalene	38	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: 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	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	150	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	81		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/13/24 23:38
Analyst: RS
Percent Solids: 88%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.784	0.049	1
Perfluoropentanoic Acid (PFPeA)	0.082	J	ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.784	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	0.076	J	ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.784	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.930		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.784	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.784	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.784	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.784	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.784	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.500	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.392	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.392	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.392	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.392	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.981	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.90	0.495	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.90	1.73	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	83		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	65		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	70		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	94		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	71		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	81		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	38		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	55		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	72		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/13/24 02:17
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

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	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	50	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	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	67.	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	28	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	36	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	26	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	23	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	51	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	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	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	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	64.	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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	94		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/13/24 23:51
Analyst: RS
Percent Solids: 86%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.811	0.051	1
Perfluoropentanoic Acid (PFPeA)	0.058	J	ng/g	0.406	0.057	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.203	0.044	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.811	0.082	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.203	0.047	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.203	0.024	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.203	0.024	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.203	0.060	1
Perfluorooctanoic Acid (PFOA)	0.066	J	ng/g	0.203	0.053	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.811	0.284	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.203	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.203	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	0.200	J	ng/g	0.203	0.080	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.203	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.811	0.393	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.203	0.043	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.203	0.101	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.203	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	0.105	J	ng/g	0.203	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.203	0.044	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.203	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.203	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.203	0.054	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.203	0.108	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.811	0.100	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.811	0.148	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.203	0.039	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.811	0.199	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.811	0.170	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.203	0.101	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.203	0.114	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.03	0.254	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.03	0.518	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.406	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.406	0.032	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.406	0.084	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.406	0.097	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.01	0.146	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.07	0.512	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.07	1.78	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	68		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	61		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	106		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	33		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	50		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	42		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	80		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	36		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	41		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	54		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/13/24 07:28
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	360		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	21	J	ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	8800	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	160	J	ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	440		ug/kg	180	64.	1
Butyl benzyl phthalate	7100		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	4800		ug/kg	110	21.	1
Benzo(a)pyrene	4000		ug/kg	150	45.	1
Benzo(b)fluoranthene	5300		ug/kg	110	31.	1
Benzo(k)fluoranthene	1500		ug/kg	110	30.	1
Chrysene	4600		ug/kg	110	19.	1
Acenaphthylene	570		ug/kg	150	29.	1
Anthracene	1900		ug/kg	110	36.	1
Benzo(ghi)perylene	2800		ug/kg	150	22.	1
Fluorene	440		ug/kg	180	18.	1
Phenanthrene	7200		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	670		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2800		ug/kg	150	26.	1
Pyrene	7500	E	ug/kg	110	18.	1
Biphenyl	37	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	250		ug/kg	180	18.	1
2-Methylnaphthalene	110	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	32	J	ug/kg	270	29.	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: 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	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	660		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	86		18-120

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/14/24 00:04
Analyst: RS
Percent Solids: 89%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.778	0.049	1
Perfluoropentanoic Acid (PFPeA)	0.122	J	ng/g	0.389	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.194	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.778	0.079	1
Perfluorohexanoic Acid (PFHxA)	0.075	J	ng/g	0.194	0.045	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.194	0.023	1
Perfluoroheptanoic Acid (PFHpA)	0.047	J	ng/g	0.194	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.194	0.058	1
Perfluorooctanoic Acid (PFOA)	0.159	J	ng/g	0.194	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.778	0.272	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.194	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.194	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	1.54		ng/g	0.194	0.077	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.194	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.778	0.376	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.194	0.041	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.194	0.097	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.194	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.194	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.194	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.194	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.194	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.194	0.051	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.194	0.103	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.778	0.096	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.778	0.142	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.194	0.037	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.778	0.190	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.778	0.162	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.194	0.097	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.194	0.109	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.94	0.243	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.94	0.496	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.389	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.389	0.030	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.389	0.081	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.389	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.972	0.140	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.86	0.491	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.86	1.71	1

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	55		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	57		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	55		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	63		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	38		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	42		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	62		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 D
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/14/24 10:17
Analyst: LJG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	10000		ug/kg	560	110	5
Pyrene	8500		ug/kg	560	92.	5

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	73		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	72		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	58		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	34		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	62		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	42		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	25		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	29		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	30		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	44		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	49		20-150

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/12/24 23:28
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1894863-1					
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/12/24 23:28
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1894863-1					
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	21.
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: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/12/24 23:28
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/11/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1894863-1					
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	81		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	91		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	139		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	**151**	Q	-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	137		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	101		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	**157**	Q	-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	117		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	130		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	126		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	87		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	65		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	104		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	102		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	**151**	Q	-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	127		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	50		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	68		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	63		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	90		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	122		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	130		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	**157**	Q	-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	123		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	133		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	133		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	132		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	103		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	50		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	90				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	72				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	41				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	40				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	42				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	42				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3								
Perfluorobutanoic Acid (PFBA)	115		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	117		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	116		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	121		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	121		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	91		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	119		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	127		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	115		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	114		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	91		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	112		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	137		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3								
Perfluorotridecanoic Acid (PFTrDA)	127		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	109		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	119		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	62		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	80		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	86		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	101		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	106		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	117		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	107		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	142		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	109		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	102		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	130		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	147		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	107		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	72		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	71				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	71				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	83				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	56				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	76				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	71				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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 Batch: WG1894863-2 WG1894863-3								
Acenaphthene	86		85		31-137	1		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	86		82		40-140	5		50
Bis(2-chloroethyl)ether	77		79		40-140	3		50
2-Chloronaphthalene	85		85		40-140	0		50
1,2-Dichlorobenzene	76		78		40-140	3		50
1,3-Dichlorobenzene	74		76		40-140	3		50
1,4-Dichlorobenzene	75		74		28-104	1		50
3,3'-Dichlorobenzidine	68		63		40-140	8		50
2,4-Dinitrotoluene	94		90		40-132	4		50
2,6-Dinitrotoluene	92		89		40-140	3		50
Fluoranthene	92		90		40-140	2		50
4-Chlorophenyl phenyl ether	90		89		40-140	1		50
4-Bromophenyl phenyl ether	91		89		40-140	2		50
Bis(2-chloroisopropyl)ether	52		54		40-140	4		50
Bis(2-chloroethoxy)methane	88		87		40-117	1		50
Hexachlorobutadiene	88		86		40-140	2		50
Hexachlorocyclopentadiene	112		114		40-140	2		50
Hexachloroethane	74		74		40-140	0		50
Isophorone	89		86		40-140	3		50
Naphthalene	80		80		40-140	0		50
Nitrobenzene	86		87		40-140	1		50
NDPA/DPA	91		88		36-157	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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 Batch: WG1894863-2 WG1894863-3								
n-Nitrosodi-n-propylamine	86		87		32-121	1		50
Bis(2-ethylhexyl)phthalate	97		96		40-140	1		50
Butyl benzyl phthalate	93		92		40-140	1		50
Di-n-butylphthalate	92		90		40-140	2		50
Di-n-octylphthalate	100		97		40-140	3		50
Diethyl phthalate	89		87		40-140	2		50
Dimethyl phthalate	88		88		40-140	0		50
Benzo(a)anthracene	90		87		40-140	3		50
Benzo(a)pyrene	88		81		40-140	8		50
Benzo(b)fluoranthene	86		80		40-140	7		50
Benzo(k)fluoranthene	89		84		40-140	6		50
Chrysene	88		85		40-140	3		50
Acenaphthylene	84		85		40-140	1		50
Anthracene	92		89		40-140	3		50
Benzo(ghi)perylene	87		86		40-140	1		50
Fluorene	90		88		40-140	2		50
Phenanthrene	90		86		40-140	5		50
Dibenzo(a,h)anthracene	86		83		40-140	4		50
Indeno(1,2,3-cd)pyrene	89		87		40-140	2		50
Pyrene	92		91		35-142	1		50
Biphenyl	92		91		37-127	1		50
4-Chloroaniline	51		50		40-140	2		50
2-Nitroaniline	94		94		47-134	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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 Batch: WG1894863-2 WG1894863-3								
3-Nitroaniline	72		68		26-129	6		50
4-Nitroaniline	88		85		41-125	3		50
Dibenzofuran	88		85		40-140	3		50
2-Methylnaphthalene	87		87		40-140	0		50
1,2,4,5-Tetrachlorobenzene	94		96		40-117	2		50
Acetophenone	88		90		14-144	2		50
2,4,6-Trichlorophenol	95		95		30-130	0		50
p-Chloro-m-cresol	96		93		26-103	3		50
2-Chlorophenol	83		82		25-102	1		50
2,4-Dichlorophenol	93		90		30-130	3		50
2,4-Dimethylphenol	102		100		30-130	2		50
2-Nitrophenol	89		88		30-130	1		50
4-Nitrophenol	88		85		11-114	3		50
2,4-Dinitrophenol	68		64		4-130	6		50
4,6-Dinitro-o-cresol	88		87		10-130	1		50
Pentachlorophenol	84		77		17-109	9		50
Phenol	87		88		26-90	1		50
2-Methylphenol	91		91		30-130.	0		50
3-Methylphenol/4-Methylphenol	94		94		30-130	0		50
2,4,5-Trichlorophenol	99		97		30-130	2		50
Benzoic Acid	17		15		10-110	13		50
Benzyl Alcohol	89		92		40-140	3		50
Carbazole	87		84		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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 Batch: WG1894863-2 WG1894863-3								
1,4-Dioxane	63		60		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		87		25-120
Phenol-d6	92		89		10-120
Nitrobenzene-d5	85		83		23-120
2-Fluorobiphenyl	87		86		30-120
2,4,6-Tribromophenol	93		88		10-136
4-Terphenyl-d14	92		88		18-120

PCBS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/13/24 13:17
Analyst: EMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 14:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.0	4.62	1	A
Aroclor 1221	ND		ug/kg	52.0	5.21	1	A
Aroclor 1232	ND		ug/kg	52.0	11.0	1	A
Aroclor 1242	ND		ug/kg	52.0	7.01	1	A
Aroclor 1248	16.3	J	ug/kg	52.0	7.80	1	A
Aroclor 1254	8.41	J	ug/kg	52.0	5.69	1	B
Aroclor 1260	ND		ug/kg	52.0	9.61	1	A
Aroclor 1262	ND		ug/kg	52.0	6.60	1	A
Aroclor 1268	ND		ug/kg	52.0	5.38	1	A
PCBs, Total	24.7	J	ug/kg	52.0	4.62	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/13/24 13:25
Analyst: EMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 14:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.6	4.84	1	A
Aroclor 1221	ND		ug/kg	54.6	5.47	1	A
Aroclor 1232	ND		ug/kg	54.6	11.6	1	A
Aroclor 1242	ND		ug/kg	54.6	7.36	1	A
Aroclor 1248	22.1	J	ug/kg	54.6	8.18	1	A
Aroclor 1254	ND		ug/kg	54.6	5.97	1	A
Aroclor 1260	ND		ug/kg	54.6	10.1	1	A
Aroclor 1262	ND		ug/kg	54.6	6.93	1	A
Aroclor 1268	ND		ug/kg	54.6	5.65	1	A
PCBs, Total	22.1	J	ug/kg	54.6	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/13/24 13:33
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 14:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.3	4.74	1	A
Aroclor 1221	ND		ug/kg	53.3	5.34	1	A
Aroclor 1232	ND		ug/kg	53.3	11.3	1	A
Aroclor 1242	ND		ug/kg	53.3	7.19	1	A
Aroclor 1248	34.3	J	ug/kg	53.3	8.00	1	B
Aroclor 1254	31.9	J	ug/kg	53.3	5.83	1	B
Aroclor 1260	ND		ug/kg	53.3	9.85	1	A
Aroclor 1262	ND		ug/kg	53.3	6.77	1	A
Aroclor 1268	ND		ug/kg	53.3	5.52	1	A
PCBs, Total	66.2	J	ug/kg	53.3	4.74	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/13/24 12:30
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 03/11/24 14:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1894771-1						
Aroclor 1016	ND		ug/kg	49.4	4.39	A
Aroclor 1221	ND		ug/kg	49.4	4.96	A
Aroclor 1232	ND		ug/kg	49.4	10.5	A
Aroclor 1242	ND		ug/kg	49.4	6.67	A
Aroclor 1248	ND		ug/kg	49.4	7.42	A
Aroclor 1254	ND		ug/kg	49.4	5.41	A
Aroclor 1260	ND		ug/kg	49.4	9.14	A
Aroclor 1262	ND		ug/kg	49.4	6.28	A
Aroclor 1268	ND		ug/kg	49.4	5.12	A
PCBs, Total	ND		ug/kg	49.4	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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 Batch: WG1894771-2 WG1894771-3									
Aroclor 1016	86		84		40-140	2		50	A
Aroclor 1260	89		85		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	A
Decachlorobiphenyl	98		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		76		30-150	B
Decachlorobiphenyl	90		87		30-150	B

PESTICIDES

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/13/24 19:11
Analyst: JAG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.768	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	12.2		ug/kg	1.76	0.406	1	B
4,4'-DDD	ND	IP	ug/kg	1.76	0.626	1	A
4,4'-DDT	22.5		ug/kg	1.76	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: 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	77		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 16:50
Analyst: JAG
Percent Solids: 88%
Methylation Date: 03/12/24 21:15

Extraction Method: EPA 8151A
Extraction Date: 03/11/24 10:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.81	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	89		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/13/24 19:22
Analyst: JAG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.359	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.411	1	A
Aldrin	ND		ug/kg	1.84	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.803	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.424	1	A
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	ND		ug/kg	1.84	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	ND		ug/kg	2.29	0.606	1	A
Chlordane	ND		ug/kg	15.3	6.08	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	75		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 17:09
Analyst: JAG
Percent Solids: 86%
Methylation Date: 03/12/24 21:15

Extraction Method: EPA 8151A
Extraction Date: 03/11/24 10:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	12.2	1	A
2,4,5-T	ND		ug/kg	193	5.98	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	85		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/13/24 19:33
Analyst: JAG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/11/24 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.71	0.439	1	A
Dieldrin	3.89		ug/kg	1.07	0.533	1	A
4,4'-DDE	53.5		ug/kg	1.71	0.395	1	B
4,4'-DDD	1.06	JIP	ug/kg	1.71	0.609	1	A
4,4'-DDT	107		ug/kg	1.71	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND		ug/kg	1.71	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	12.0		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: 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	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY

Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 17:27
Analyst: JAG
Percent Solids: 89%
Methylation Date: 03/12/24 21:15

Extraction Method: EPA 8151A
Extraction Date: 03/11/24 10:02

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	77		30-150	A
DCAA	77		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/24 12:14
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 03/11/24 07:02

Methylation Date: 03/12/24 21:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1894664-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	107		30-150	B

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/13/24 18:02
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 03/11/24 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1894873-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.644	0.288	A
Alpha-BHC	ND		ug/kg	0.644	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.586	A
Heptachlor	ND		ug/kg	0.773	0.347	A
Aldrin	ND		ug/kg	1.55	0.544	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	A
Endrin	ND		ug/kg	0.644	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.676	A
Endrin ketone	ND		ug/kg	1.55	0.398	A
Dieldrin	ND		ug/kg	0.966	0.483	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	1.55	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.365	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.644	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.902	A
Toxaphene	ND		ug/kg	29.0	8.12	A
cis-Chlordane	ND		ug/kg	1.93	0.539	A
trans-Chlordane	ND		ug/kg	1.93	0.510	A
Chlordane	ND		ug/kg	12.9	5.12	A

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/13/24 18:02
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 03/11/24 19:16
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1894873-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1894664-2 WG1894664-3									
2,4-D	94		96		30-150	2		30	A
2,4,5-T	99		105		30-150	6		30	A
2,4,5-TP (Silvex)	95		100		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		95		30-150	A
DCAA	105		113		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

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: WG1894873-2 WG1894873-3									
Delta-BHC	93		79		30-150	16		30	A
Lindane	94		76		30-150	21		30	A
Alpha-BHC	98		77		30-150	24		30	A
Beta-BHC	109		90		30-150	19		30	A
Heptachlor	98		79		30-150	21		30	A
Aldrin	97		78		30-150	22		30	A
Heptachlor epoxide	86		73		30-150	16		30	A
Endrin	96		84		30-150	13		30	A
Endrin aldehyde	100		82		30-150	20		30	A
Endrin ketone	101		89		30-150	13		30	A
Dieldrin	105		91		30-150	14		30	A
4,4'-DDE	100		85		30-150	16		30	A
4,4'-DDD	104		91		30-150	13		30	A
4,4'-DDT	102		89		30-150	14		30	A
Endosulfan I	95		82		30-150	15		30	A
Endosulfan II	99		87		30-150	13		30	A
Endosulfan sulfate	94		82		30-150	14		30	A
Methoxychlor	122		106		30-150	14		30	A
cis-Chlordane	93		80		30-150	15		30	A
trans-Chlordane	110		95		30-150	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1894873-2 WG1894873-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		66		30-150	A
Decachlorobiphenyl	88		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		69		30-150	B
Decachlorobiphenyl	108		95		30-150	B

METALS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01 Date Collected: 03/07/24 11:05

Client ID: PH1_SB26_2-4 Date Received: 03/07/24

Sample Location: 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	7870		mg/kg	22.6	6.10	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	11.3	0.859	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Arsenic, Total	6.12		mg/kg	2.26	0.470	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Barium, Total	187		mg/kg	2.26	0.393	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.344	J	mg/kg	1.13	0.075	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.622	J	mg/kg	2.26	0.222	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Calcium, Total	8990		mg/kg	22.6	7.91	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Chromium, Total	28.9		mg/kg	2.26	0.217	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Cobalt, Total	6.08		mg/kg	4.52	0.375	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Copper, Total	49.0		mg/kg	2.26	0.583	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Iron, Total	16200		mg/kg	11.3	2.04	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Lead, Total	494		mg/kg	11.3	0.606	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Magnesium, Total	2930		mg/kg	21.6	3.33	5	03/14/24 19:04	03/14/24 23:38	EPA 3050B	1,6010D	DHL
Manganese, Total	288		mg/kg	2.26	0.360	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Mercury, Total	0.792		mg/kg	0.078	0.051	1	03/14/24 01:45	03/14/24 09:42	EPA 7471B	1,7471B	GMG
Nickel, Total	18.8		mg/kg	5.65	0.547	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Potassium, Total	1320		mg/kg	540	31.1	5	03/14/24 19:04	03/14/24 23:38	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	4.52	0.583	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	1.13	0.640	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Sodium, Total	269	J	mg/kg	452	7.12	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Thallium, Total	1.28	J	mg/kg	4.52	0.712	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Vanadium, Total	21.7		mg/kg	2.26	0.459	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
Zinc, Total	311		mg/kg	11.3	0.662	5	03/14/24 01:07	03/14/24 14:14	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	24.0		mg/kg	2.26	0.217	1		03/14/24 14:14	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02 Date Collected: 03/07/24 14:45

Client ID: PH1_SB26_8-10 Date Received: 03/07/24

Sample Location: 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	16400		mg/kg	22.6	6.10	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	11.3	0.859	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Arsenic, Total	7.79		mg/kg	2.26	0.470	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Barium, Total	510		mg/kg	2.26	0.393	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.432	J	mg/kg	1.13	0.075	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.316	J	mg/kg	2.26	0.222	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Calcium, Total	5080		mg/kg	22.6	7.91	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Chromium, Total	76.8		mg/kg	2.26	0.217	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Cobalt, Total	18.1		mg/kg	4.52	0.375	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Copper, Total	72.9		mg/kg	2.26	0.583	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Iron, Total	51700		mg/kg	22.6	4.08	10	03/14/24 01:07	03/14/24 15:24	EPA 3050B	1,6010D	DHL
Lead, Total	98.2		mg/kg	11.3	0.606	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Magnesium, Total	8170		mg/kg	22.3	3.44	5	03/14/24 19:04	03/14/24 23:42	EPA 3050B	1,6010D	DHL
Manganese, Total	1000		mg/kg	2.26	0.359	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Mercury, Total	1.09		mg/kg	0.073	0.048	1	03/14/24 01:45	03/14/24 09:45	EPA 7471B	1,7471B	GMG
Nickel, Total	45.2		mg/kg	5.65	0.547	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Potassium, Total	6640		mg/kg	558	32.1	5	03/14/24 19:04	03/14/24 23:42	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	4.52	0.583	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Silver, Total	0.908	J	mg/kg	1.13	0.640	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Sodium, Total	271	J	mg/kg	452	7.12	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Thallium, Total	2.87	J	mg/kg	4.52	0.712	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Vanadium, Total	65.6		mg/kg	2.26	0.459	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
Zinc, Total	184		mg/kg	11.3	0.662	5	03/14/24 01:07	03/14/24 14:18	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	76.8		mg/kg	2.26	0.217	1		03/14/24 14:18	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03 Date Collected: 03/07/24 15:05

Client ID: PH1_SB26_4-6 Date Received: 03/07/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9590		mg/kg	21.5	5.80	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	10.8	0.817	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Arsenic, Total	5.59		mg/kg	2.15	0.447	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Barium, Total	247		mg/kg	2.15	0.374	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.347	J	mg/kg	1.08	0.071	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.686	J	mg/kg	2.15	0.211	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Calcium, Total	15200		mg/kg	21.5	7.52	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Chromium, Total	37.3		mg/kg	2.15	0.206	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Cobalt, Total	7.00		mg/kg	4.30	0.357	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Copper, Total	56.0		mg/kg	2.15	0.555	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Iron, Total	20200		mg/kg	10.8	1.94	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Lead, Total	322		mg/kg	10.8	0.576	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Magnesium, Total	4200		mg/kg	22.4	3.45	5	03/14/24 19:04	03/14/24 23:47	EPA 3050B	1,6010D	DHL
Manganese, Total	323		mg/kg	2.15	0.342	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Mercury, Total	0.460		mg/kg	0.077	0.050	1	03/14/24 01:45	03/14/24 09:49	EPA 7471B	1,7471B	GMG
Nickel, Total	24.3		mg/kg	5.38	0.520	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Potassium, Total	2750		mg/kg	560	32.2	5	03/14/24 19:04	03/14/24 23:47	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	4.30	0.555	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	1.08	0.608	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Sodium, Total	259	J	mg/kg	430	6.77	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Thallium, Total	1.65	J	mg/kg	4.30	0.677	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Vanadium, Total	34.2		mg/kg	2.15	0.436	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
Zinc, Total	344		mg/kg	10.8	0.630	5	03/14/24 01:07	03/14/24 14:22	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	37.0	J	mg/kg	2.15	0.206	1		03/14/24 14:22	NA	107,-	

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

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 Batch: WG1895759-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Iron, Total	1.33	J	mg/kg	2.00	0.361	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Thallium, Total	0.164	J	mg/kg	0.800	0.126	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/14/24 01:07	03/14/24 11:49	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1895762-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/14/24 01:45	03/14/24 08:34	1,7471B	GMG

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1896372-1										
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/14/24 19:04	03/14/24 22:19	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	03/14/24 19:04	03/14/24 22:19	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1895759-2 SRM Lot Number: D123-540								
Aluminum, Total	53		-		53-147	-		
Antimony, Total	142		-		2-201	-		
Arsenic, Total	89		-		82-118	-		
Barium, Total	95		-		82-118	-		
Beryllium, Total	93		-		83-117	-		
Cadmium, Total	98		-		83-118	-		
Calcium, Total	87		-		82-118	-		
Chromium, Total	90		-		81-118	-		
Cobalt, Total	92		-		83-117	-		
Copper, Total	97		-		83-117	-		
Iron, Total	75		-		58-142	-		
Lead, Total	89		-		82-119	-		
Manganese, Total	89		-		81-119	-		
Nickel, Total	91		-		82-118	-		
Selenium, Total	91		-		81-119	-		
Silver, Total	89		-		79-120	-		
Sodium, Total	99		-		74-126	-		
Thallium, Total	108		-		81-120	-		
Vanadium, Total	90		-		78-122	-		
Zinc, Total	85		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1895762-2 SRM Lot Number: D123-540					
Mercury, Total	86	-	67-132	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1896372-2 SRM Lot Number: D123-540					
Magnesium, Total	78	-	75-124	-	
Potassium, Total	74	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1895759-3 QC Sample: L2413179-02 Client ID: MS Sample												
Aluminum, Total	4060	205	4280	107		-	-		75-125	-		20
Antimony, Total	ND	51.3	47.8	93		-	-		75-125	-		20
Arsenic, Total	3.18	12.3	14.4	91		-	-		75-125	-		20
Barium, Total	63.8	205	220	76		-	-		75-125	-		20
Beryllium, Total	0.371J	5.13	5.42	106		-	-		75-125	-		20
Cadmium, Total	ND	5.44	5.18	95		-	-		75-125	-		20
Calcium, Total	541	1030	1520	95		-	-		75-125	-		20
Chromium, Total	7.67	20.5	25.8	88		-	-		75-125	-		20
Cobalt, Total	5.68	51.3	53.1	92		-	-		75-125	-		20
Copper, Total	11.7	25.7	33.5	85		-	-		75-125	-		20
Iron, Total	9780	103	9580	**0**	Q	-	-		75-125	-		20
Lead, Total	6.31J	54.4	57.5	106		-	-		75-125	-		20
Manganese, Total	897	51.3	275	**0**	Q	-	-		75-125	-		20
Nickel, Total	27.3	51.3	69.7	83		-	-		75-125	-		20
Selenium, Total	ND	12.3	10.7	87		-	-		75-125	-		20
Silver, Total	ND	5.13	5.00	97		-	-		75-125	-		20
Sodium, Total	40.7J	1030	1070	104		-	-		75-125	-		20
Thallium, Total	1.31J	12.3	12.8	104		-	-		75-125	-		20
Vanadium, Total	14.9	51.3	62.9	94		-	-		75-125	-		20
Zinc, Total	29.5	51.3	71.9	83		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

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 QC Batch ID: WG1895762-3 QC Sample: L2412618-03 Client ID: MS Sample										
Mercury, Total	ND	1.65	1.70	103		-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896372-3 QC Sample: L2412292-01 Client ID: MS Sample										
Magnesium, Total	3600	948	4280	**72**	Q	-	-	75-125	-	20
Potassium, Total	946	948	1830	93		-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1895759-4 QC Sample: L2413179-02 Client ID: DUP Sample						
Nickel, Total	27.3	25.4	mg/kg	7		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1895762-4 QC Sample: L2412618-03 Client ID: DUP Sample						
Mercury, Total	ND	0.072J	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896372-4 QC Sample: L2412292-01 Client ID: DUP Sample						
Magnesium, Total	3600	3030	mg/kg	17		20
Potassium, Total	946	747	mg/kg	**24**	Q	20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2412627
Report Date: 05/01/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896372-6 QC Sample: L2412292-01 Client ID: DUP Sample						
Magnesium, Total	3600	3920	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402
Lab Number: L2412627
Report Date: 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-01
Client ID: PH1_SB26_2-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/07/24 11:05
Date Received: 03/07/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	03/08/24 11:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/12/24 12:20	03/13/24 12:15	1,9010C/9012B	JER
Chromium, Hexavalent	4.87		mg/kg	0.913	0.183	1	03/12/24 06:34	03/12/24 11:59	1,7196A	RDS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402
Lab Number: L2412627
Report Date: 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-02
Client ID: PH1_SB26_8-10
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/07/24 14:45
Date Received: 03/07/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	03/08/24 11:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/12/24 12:20	03/13/24 12:16	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.928	0.186	1	03/12/24 06:34	03/12/24 11:59	1,7196A	RDS

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402
Lab Number: L2412627
Report Date: 05/01/24

SAMPLE RESULTS

Lab ID: L2412627-03
Client ID: PH1_SB26_4-6
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/07/24 15:05
Date Received: 03/07/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	03/08/24 11:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/12/24 12:20	03/13/24 12:17	1,9010C/9012B	JER
Chromium, Hexavalent	0.336	J	mg/kg	0.896	0.179	1	03/12/24 06:34	03/12/24 11:59	1,7196A	RDS

Project Name: 687 LENOX AVENUE-PHASE 1 **Lab Number:** L2412627

Project Number: 170635402 **Report Date:** 05/01/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1894976-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/12/24 06:34	03/12/24 11:59	1,7196A	RDS
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1895108-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	03/12/24 12:20	03/13/24 11:51	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1894976-2								
Chromium, Hexavalent	**78**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1895108-2 WG1895108-3								
Cyanide, Total	84		86		80-120	2		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1894976-4 QC Sample: L2412627-03 Client ID: PH1_SB26_4-6												
Chromium, Hexavalent	0.336J	1540	1390	90		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1895108-4 WG1895108-5 QC Sample: L2412878-01 Client ID: MS Sample												
Cyanide, Total	ND	12	11	94		11	96		75-125	2		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVENUE-PHASE 1

Project Number: 170635402

Lab Number: L2412627

Report Date: 05/01/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1893829-1 QC Sample: L2410072-01 Client ID: DUP Sample						
Solids, Total	89.9	89.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1894976-6 QC Sample: L2412627-03 Client ID: PH1_SB26_4-6						
Chromium, Hexavalent	0.336J	0.213J	mg/kg	NC		20

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

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(*)
L2412627-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2412627-01B	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-01C	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-01D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2412627-01E	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2412627-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2412627-01G	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2412627-01H	Plastic 8oz unpreserved	A	NA		3.6	Y	Absent		A2-1633-DRAFT(90)
L2412627-01I	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2412627-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2412627-02B	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-02C	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-02D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2412627-02E	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2412627-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2412627-02G	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402

Lab Number: L2412627
Report Date: 05/01/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2412627-02H	Plastic 8oz unpreserved	A	NA		3.6	Y	Absent		A2-1633-DRAFT(90)
L2412627-02I	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2412627-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2412627-03B	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-03C	Vial water preserved	A	NA		3.6	Y	Absent	08-MAR-24 10:14	NYTCL-8260HLW(14)
L2412627-03D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2412627-03E	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2412627-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),PB-TI(180),ZN-TI(180),CU-TI(180),SB-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),CA-TI(180),CD-TI(180)
L2412627-03G	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2412627-03H	Plastic 8oz unpreserved	A	NA		3.6	Y	Absent		A2-1633-DRAFT(90)
L2412627-03I	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402
Lab Number: L2412627
Report Date: 05/01/24

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVENUE-PHASE 1
Project Number: 170635402
Lab Number: L2412627
Report Date: 05/01/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2412627
Project Number:	170635402	**Report Date:**	05/01/24

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

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	687 LENOX AVENUE-PHASE 1	**Lab Number:**	L2412627
Project Number:	170635402	**Report Date:**	05/01/24

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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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: 218124

ALPHA Job #: L2412627

Client Information
Client: Langan DPC
Address: 360 W 31st NY, NY, 10001
Phone: 212-479-5400
Fax:
Email: gwyka@langan.com

Project Information
Project Name: 687 Lenox Avenue - Phase I
Project Location: Manhattan, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Greg Wyka
ALPHAQuote #: 21538

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

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
cc: datamanagement@langan.com & anesci@langan.com

Please specify Metals or TAL.

ANALYSIS

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCL SVOCs, PCBs, pests & herbs, TAL metals (incl. hex & trivalent chrom), cyanide, 1,4-dioxane, PFAS (20 compound list)	Sample Specific Comments
12627 -01	PH1-SB26-2-4	3/7/24	1105	S	CP	X	
-02	PH1-SB26-8-10	↓	1445	↓	CP	X	
-03	PH1-SB26-4-6	↓	1505	↓	CP	X	

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Camille Quick (Langan)	3/7/24	Pace	3/7/24 1651
Pace	3/7/24 1807		3/7/24 18:45
	3/7/24		3/7 22:05
	3/8 0:30		3/8/24 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2412985
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	687 LENOX AVE-PHASE 1
Project Number:	170635402
Report Date:	03/15/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2412985-01	PH1_SB24_2-4	SOIL	MANHATTAN, NY	03/08/24 12:03	03/08/24
L2412985-02	PH1_SB24_8.5-10.5	SOIL	MANHATTAN, NY	03/08/24 12:14	03/08/24
L2412985-03	PH1_SB24_6-8	SOIL	MANHATTAN, NY	03/08/24 12:25	03/08/24

Project Name:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
Project Number:	170635402	**Report Date:**	03/15/24

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:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
Project Number:	170635402	**Report Date:**	03/15/24

Case Narrative (continued)

Report Submission

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

Perfluorinated Alkyl Acids by 1633

The WG1894799-2 LCS recoveries, associated with L2412985-01 through -03, are above the acceptance criteria for perfluoropentanoic acid (pfpea) (151%), perfluorohexanoic acid (pfhxa) (157%), 2,3,3,3-tetrafluoro-2-[1,1,2,2,3,3,3-heptafluoropropoxy]-propanoic acid (hfpo-da) (151%) and perfluoro-3-methoxypropanoic acid (pfmpa) (157%); however, the associated samples are non-detect to the RL for these target analyte. The results of the original analysis are reported.

Total Metals

L2412985-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 03/15/24

ORGANICS

VOLATILES

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/14/24 04:15
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.7	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.22	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.47	1
Tetrachloroethene	ND		ug/kg	0.87	0.34	1
Chlorobenzene	ND		ug/kg	0.87	0.22	1
Trichlorofluoromethane	ND		ug/kg	7.0	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.45	1
1,1,1-Trichloroethane	ND		ug/kg	0.87	0.29	1
Bromodichloromethane	ND		ug/kg	0.87	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.48	1
cis-1,3-Dichloropropene	ND		ug/kg	0.87	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.87	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.87	0.28	1
Bromoform	ND		ug/kg	7.0	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.87	0.29	1
Benzene	ND		ug/kg	0.87	0.29	1
Toluene	ND		ug/kg	1.7	0.95	1
Ethylbenzene	ND		ug/kg	1.7	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	1.7	0.59	1
Chloroethane	ND		ug/kg	3.5	0.79	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	0.87	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	1.7	0.51	1
Xylenes, Total	ND		ug/kg	1.7	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	3.5	0.42	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	68		ug/kg	17	8.4	1
Carbon disulfide	ND		ug/kg	17	8.0	1
2-Butanone	ND		ug/kg	17	3.9	1
Vinyl acetate	ND		ug/kg	17	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.5	0.22	1
2-Hexanone	ND		ug/kg	17	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	1.7	0.49	1
1,3-Dichloropropane	ND		ug/kg	3.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.87	0.23	1
Bromobenzene	ND		ug/kg	3.5	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.29	1
sec-Butylbenzene	ND		ug/kg	1.7	0.26	1
tert-Butylbenzene	ND		ug/kg	3.5	0.21	1
o-Chlorotoluene	ND		ug/kg	3.5	0.33	1
p-Chlorotoluene	ND		ug/kg	3.5	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.30	1
Isopropylbenzene	ND		ug/kg	1.7	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.19	1
Naphthalene	ND		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	7.0	2.0	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	1.7	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	0.58	1
1,4-Dioxane	ND		ug/kg	140	61.	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	0.33	1
Ethyl ether	ND		ug/kg	3.5	0.60	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14
Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24
Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/14/24 04:38
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	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	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	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	0.60	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	0.66	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	0.40	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	0.16	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	0.60	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	0.21	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	0.16	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	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	0.34	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	0.18	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	ND		ug/kg	4.8	0.79	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	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	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	97	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	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	111		70-130

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25
Client ID: PH1_SB24_6-8 Date Received: 03/08/24
Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/14/24 05:01
Analyst: AJK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	14	6.3	1
1,1-Dichloroethane	ND		ug/kg	2.8	0.40	1
Chloroform	ND		ug/kg	4.1	0.39	1
Carbon tetrachloride	ND		ug/kg	2.8	0.64	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.34	1
Dibromochloromethane	ND		ug/kg	2.8	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	2.8	0.74	1
Tetrachloroethene	ND		ug/kg	1.4	0.54	1
Chlorobenzene	ND		ug/kg	1.4	0.35	1
Trichlorofluoromethane	ND		ug/kg	11	1.9	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.71	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.46	1
Bromodichloromethane	ND		ug/kg	1.4	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.75	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.44	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.44	1
1,1-Dichloropropene	ND		ug/kg	1.4	0.44	1
Bromoform	ND		ug/kg	11	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Benzene	ND		ug/kg	1.4	0.46	1
Toluene	ND		ug/kg	2.8	1.5	1
Ethylbenzene	ND		ug/kg	2.8	0.39	1
Chloromethane	ND		ug/kg	11	2.6	1
Bromomethane	ND		ug/kg	5.5	1.6	1
Vinyl chloride	ND		ug/kg	2.8	0.92	1
Chloroethane	ND		ug/kg	5.5	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.66	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	0.38	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	1.4	0.38	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.41	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.47	1
Methyl tert butyl ether	ND		ug/kg	5.5	0.56	1
p/m-Xylene	ND		ug/kg	5.5	1.5	1
o-Xylene	ND		ug/kg	2.8	0.80	1
Xylenes, Total	ND		ug/kg	2.8	0.80	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.48	1
1,2-Dichloroethene, Total	ND		ug/kg	2.8	0.38	1
Dibromomethane	ND		ug/kg	5.5	0.66	1
Styrene	ND		ug/kg	2.8	0.54	1
Dichlorodifluoromethane	ND		ug/kg	28	2.5	1
Acetone	ND		ug/kg	28	13.	1
Carbon disulfide	ND		ug/kg	28	12.	1
2-Butanone	ND		ug/kg	28	6.1	1
Vinyl acetate	ND		ug/kg	28	5.9	1
4-Methyl-2-pentanone	ND		ug/kg	28	3.5	1
1,2,3-Trichloropropane	ND		ug/kg	5.5	0.35	1
2-Hexanone	ND		ug/kg	28	3.2	1
Bromochloromethane	ND		ug/kg	5.5	0.57	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.56	1
1,2-Dibromoethane	ND		ug/kg	2.8	0.77	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.46	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.36	1
Bromobenzene	ND		ug/kg	5.5	0.40	1
n-Butylbenzene	ND		ug/kg	2.8	0.46	1
sec-Butylbenzene	ND		ug/kg	2.8	0.40	1
tert-Butylbenzene	ND		ug/kg	5.5	0.32	1
o-Chlorotoluene	ND		ug/kg	5.5	0.53	1
p-Chlorotoluene	ND		ug/kg	5.5	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.3	2.8	1
Hexachlorobutadiene	ND		ug/kg	11	0.47	1
Isopropylbenzene	ND		ug/kg	2.8	0.30	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.30	1
Naphthalene	ND		ug/kg	11	1.8	1
Acrylonitrile	ND		ug/kg	11	3.2	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	2.8	0.47	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.89	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.75	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.53	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.92	1
1,4-Dioxane	ND		ug/kg	220	97.	1
p-Diethylbenzene	ND		ug/kg	5.5	0.49	1
p-Ethyltoluene	ND		ug/kg	5.5	1.1	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.53	1
Ethyl ether	ND		ug/kg	5.5	0.94	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	3.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	111		70-130

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 21:41
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1896309-5					
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: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 21:41
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1896309-5					
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	7.1	J	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: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/24 21:41
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1896309-5					
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	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1896309-3 WG1896309-4								
Methylene chloride	82		78		70-130	5		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	110		107		70-130	3		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	110		108		70-130	2		30
1,1,2-Trichloroethane	96		95		70-130	1		30
Tetrachloroethene	111		101		70-130	9		30
Chlorobenzene	92		87		70-130	6		30
Trichlorofluoromethane	70		**66**	Q	70-139	6		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	97		95		70-130	2		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	91		86		70-130	6		30
Bromoform	116		111		70-130	4		30
1,1,2,2-Tetrachloroethane	92		89		70-130	3		30
Benzene	91		87		70-130	4		30
Toluene	91		86		70-130	6		30
Ethylbenzene	89		85		70-130	5		30
Chloromethane	87		80		52-130	8		30
Bromomethane	60		**55**	Q	57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1896309-3 WG1896309-4								
Vinyl chloride	68		**63**	Q	67-130	8		30
Chloroethane	58		54		50-151	7		30
1,1-Dichloroethene	70		74		65-135	6		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	94		92		70-130	2		30
1,2-Dichlorobenzene	92		86		70-130	7		30
1,3-Dichlorobenzene	92		84		70-130	9		30
1,4-Dichlorobenzene	92		84		70-130	9		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	88		83		70-130	6		30
o-Xylene	86		83		70-130	4		30
cis-1,2-Dichloroethene	93		92		70-130	1		30
Dibromomethane	91		92		70-130	1		30
Styrene	89		87		70-130	2		30
Dichlorodifluoromethane	78		73		30-146	7		30
Acetone	71		86		54-140	19		30
Carbon disulfide	64		65		59-130	2		30
2-Butanone	76		80		70-130	5		30
Vinyl acetate	105		106		70-130	1		30
4-Methyl-2-pentanone	86		88		70-130	2		30
1,2,3-Trichloropropane	86		83		68-130	4		30
2-Hexanone	83		89		70-130	7		30
Bromochloromethane	91		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1896309-3 WG1896309-4								
2,2-Dichloropropane	92		89		70-130	3		30
1,2-Dibromoethane	103		101		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	113		108		70-130	5		30
Bromobenzene	98		92		70-130	6		30
n-Butylbenzene	91		81		70-130	12		30
sec-Butylbenzene	90		80		70-130	12		30
tert-Butylbenzene	89		81		70-130	9		30
o-Chlorotoluene	88		81		70-130	8		30
p-Chlorotoluene	90		82		70-130	9		30
1,2-Dibromo-3-chloropropane	90		90		68-130	0		30
Hexachlorobutadiene	115		105		67-130	9		30
Isopropylbenzene	90		81		70-130	11		30
p-Isopropyltoluene	91		82		70-130	10		30
Naphthalene	89		87		70-130	2		30
Acrylonitrile	83		87		70-130	5		30
n-Propylbenzene	89		80		70-130	11		30
1,2,3-Trichlorobenzene	107		99		70-130	8		30
1,2,4-Trichlorobenzene	110		100		70-130	10		30
1,3,5-Trimethylbenzene	89		81		70-130	9		30
1,2,4-Trimethylbenzene	91		82		70-130	10		30
1,4-Dioxane	77		86		65-136	11		30
p-Diethylbenzene	91		81		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1896309-3 WG1896309-4								
p-Ethyltoluene	89		80		70-130	11		30
1,2,4,5-Tetramethylbenzene	98		88		70-130	11		30
Ethyl ether	72		70		67-130	3		30
trans-1,4-Dichloro-2-butene	100		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		106		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	102		108		70-130

SEMIVOLATILES

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/15/24 03:28
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 10:59

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	310		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	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	170		ug/kg	110	20.	1
Benzo(a)pyrene	230		ug/kg	140	44.	1
Benzo(b)fluoranthene	270		ug/kg	110	30.	1
Benzo(k)fluoranthene	76	J	ug/kg	110	29.	1
Chrysene	170		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	160		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	32	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	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: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	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	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	82		18-120

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/14/24 00:17
Analyst: RS
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.789	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.395	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.197	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.789	0.080	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.197	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.197	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.197	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.197	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.197	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.789	0.276	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.197	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.197	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.197	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.197	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.789	0.382	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.197	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.197	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.197	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.197	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.197	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.197	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.197	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.197	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.197	0.105	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.789	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.789	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.197	0.038	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.789	0.193	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.789	0.165	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.197	0.099	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.197	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.97	0.247	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.97	0.504	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.395	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.395	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.395	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.395	0.094	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.987	0.142	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.93	0.498	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.93	1.74	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	83		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	59		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	57		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	57		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	54		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	67		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	51		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	57		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	40		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	80		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	53		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	59		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	71		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	73		20-150

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/15/24 02:15
Analyst: SZ
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	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	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	220		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	ND		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: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	100	J	ug/kg	120	22.	1
Benzo(a)pyrene	110	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	130		ug/kg	120	33.	1
Benzo(k)fluoranthene	46	J	ug/kg	120	32.	1
Chrysene	100	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	64	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	140		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	60	J	ug/kg	160	28.	1
Pyrene	200		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	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	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	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	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	74		18-120

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/14/24 00:30
Analyst: RS
Percent Solids: 84%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.759	0.048	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.379	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.190	0.041	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.759	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.190	0.044	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.190	0.022	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.190	0.022	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.190	0.056	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.190	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.759	0.266	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.190	0.035	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.190	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.190	0.075	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.190	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.759	0.367	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.190	0.040	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.190	0.095	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.190	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.190	0.030	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.190	0.041	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.190	0.078	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.190	0.039	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.190	0.050	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.190	0.101	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.759	0.093	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.759	0.139	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.190	0.036	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.759	0.186	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.759	0.159	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.190	0.095	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.190	0.106	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.90	0.238	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.90	0.484	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.379	0.039	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.379	0.030	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.379	0.079	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.379	0.090	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.948	0.136	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.74	0.479	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.74	1.67	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	64		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	59		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	60		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	69		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	58		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	55		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	43		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	53		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	55		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	62		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	68		20-150

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/15/24 04:41
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 10:59

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	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	600		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	280		ug/kg	110	21.	1
Benzo(a)pyrene	290		ug/kg	150	46.	1
Benzo(b)fluoranthene	330		ug/kg	110	32.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	270		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	96	J	ug/kg	110	37.	1
Benzo(ghi)perylene	180		ug/kg	150	22.	1
Fluorene	31	J	ug/kg	190	18.	1
Phenanthrene	400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	38	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	150	26.	1
Pyrene	550		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	22	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	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	46	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	77		18-120

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 03/14/24 00:43
Analyst: RS
Percent Solids: 86%

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.785	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.785	0.079	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.196	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.196	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.785	0.275	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.785	0.380	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.196	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.785	0.097	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.785	0.144	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.196	0.038	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.785	0.192	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.785	0.164	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.196	0.098	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.196	0.110	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.96	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.96	0.501	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.392	0.040	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.392	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.392	0.082	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.392	0.093	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.981	0.141	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.90	0.495	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.90	1.73	1

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	67		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	61		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	45		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	58		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	49		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	36		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	40		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	41		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	53		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/13/24 22:21
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 03/11/24 16:30
Cleanup Method: EPA 1633
Cleanup Date: 03/12/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1894799-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	73		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	72		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	58		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	34		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	62		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	42		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	25		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	29		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	30		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	44		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	49		20-150

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/14/24 02:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/13/24 14:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1895779-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
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	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/14/24 02:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/13/24 14:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1895779-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/14/24 02:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/13/24 14:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1895779-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	139		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	**151**	Q	-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	137		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	101		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	**157**	Q	-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	117		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	130		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	126		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	86		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	87		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	65		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	104		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	102		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	**151**	Q	-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	127		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	50		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	68		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	63		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	90		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	122		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	130		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	**157**	Q	-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	123		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	133		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	133		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	132		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	103		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	50		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	90				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	72				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	41				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	40				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	42				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	42				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	58				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3								
Perfluorobutanoic Acid (PFBA)	115		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	117		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	116		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	121		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	121		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	91		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	119		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	127		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	115		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	114		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	91		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	112		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	137		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3								
Perfluorotridecanoic Acid (PFTrDA)	127		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	109		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	119		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	62		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	80		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	86		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	101		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	106		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	117		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	107		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	142		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	109		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	102		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	130		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	147		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	107		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	72		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1894799-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	71				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	71				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	83				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	52				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	56				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	76				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	71				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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 Batch: WG1895779-2 WG1895779-3								
Acenaphthene	54		51		31-137	6		50
1,2,4-Trichlorobenzene	56		53		38-107	6		50
Hexachlorobenzene	67		64		40-140	5		50
Bis(2-chloroethyl)ether	48		44		40-140	9		50
2-Chloronaphthalene	58		55		40-140	5		50
1,2-Dichlorobenzene	52		48		40-140	8		50
1,3-Dichlorobenzene	50		47		40-140	6		50
1,4-Dichlorobenzene	50		47		28-104	6		50
3,3'-Dichlorobenzidine	**36**	Q	**36**	Q	40-140	0		50
2,4-Dinitrotoluene	64		61		40-132	5		50
2,6-Dinitrotoluene	70		67		40-140	4		50
Fluoranthene	57		55		40-140	4		50
4-Chlorophenyl phenyl ether	58		55		40-140	5		50
4-Bromophenyl phenyl ether	64		60		40-140	6		50
Bis(2-chloroisopropyl)ether	**36**	Q	**34**	Q	40-140	6		50
Bis(2-chloroethoxy)methane	52		49		40-117	6		50
Hexachlorobutadiene	61		57		40-140	7		50
Hexachlorocyclopentadiene	76		72		40-140	5		50
Hexachloroethane	51		47		40-140	8		50
Isophorone	50		48		40-140	4		50
Naphthalene	52		49		40-140	6		50
Nitrobenzene	51		47		40-140	8		50
NDPA/DPA	57		55		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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 Batch: WG1895779-2 WG1895779-3								
n-Nitrosodi-n-propylamine	49		46		32-121	6		50
Bis(2-ethylhexyl)phthalate	58		55		40-140	5		50
Butyl benzyl phthalate	63		60		40-140	5		50
Di-n-butylphthalate	58		56		40-140	4		50
Di-n-octylphthalate	60		58		40-140	3		50
Diethyl phthalate	58		54		40-140	7		50
Dimethyl phthalate	61		60		40-140	2		50
Benzo(a)anthracene	54		51		40-140	6		50
Benzo(a)pyrene	58		57		40-140	2		50
Benzo(b)fluoranthene	56		55		40-140	2		50
Benzo(k)fluoranthene	57		55		40-140	4		50
Chrysene	53		52		40-140	2		50
Acenaphthylene	57		55		40-140	4		50
Anthracene	55		54		40-140	2		50
Benzo(ghi)perylene	55		54		40-140	2		50
Fluorene	56		53		40-140	6		50
Phenanthrene	54		52		40-140	4		50
Dibenzo(a,h)anthracene	55		54		40-140	2		50
Indeno(1,2,3-cd)pyrene	55		53		40-140	4		50
Pyrene	58		54		35-142	7		50
Biphenyl	54		51		37-127	6		50
4-Chloroaniline	46		44		40-140	4		50
2-Nitroaniline	69		66		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

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 Batch: WG1895779-2 WG1895779-3								
3-Nitroaniline	46		44		26-129	4		50
4-Nitroaniline	54		52		41-125	4		50
Dibenzofuran	55		51		40-140	8		50
2-Methylnaphthalene	57		54		40-140	5		50
1,2,4,5-Tetrachlorobenzene	56		53		40-117	6		50
Acetophenone	50		46		14-144	8		50
2,4,6-Trichlorophenol	66		62		30-130	6		50
p-Chloro-m-cresol	59		56		26-103	5		50
2-Chlorophenol	56		52		25-102	7		50
2,4-Dichlorophenol	62		58		30-130	7		50
2,4-Dimethylphenol	67		63		30-130	6		50
2-Nitrophenol	69		65		30-130	6		50
4-Nitrophenol	53		51		11-114	4		50
2,4-Dinitrophenol	69		66		4-130	4		50
4,6-Dinitro-o-cresol	72		70		10-130	3		50
Pentachlorophenol	72		67		17-109	7		50
Phenol	47		44		26-90	7		50
2-Methylphenol	54		52		30-130.	4		50
3-Methylphenol/4-Methylphenol	56		52		30-130	7		50
2,4,5-Trichlorophenol	67		64		30-130	5		50
Benzoic Acid	29		26		10-110	11		50
Benzyl Alcohol	53		50		40-140	6		50
Carbazole	**53**	Q	**51**	Q	54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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 Batch: WG1895779-2 WG1895779-3								
1,4-Dioxane	**31**	Q	**28**	Q	40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		47		25-120
Phenol-d6	50		45		10-120
Nitrobenzene-d5	50		47		23-120
2-Fluorobiphenyl	57		54		30-120
2,4,6-Tribromophenol	74		70		10-136
4-Terphenyl-d14	58		55		18-120

PCBS

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/24 12:55
Analyst: RMP
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 09:33
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.0	4.70	1	A
Aroclor 1221	ND		ug/kg	53.0	5.31	1	A
Aroclor 1232	ND		ug/kg	53.0	11.2	1	A
Aroclor 1242	ND		ug/kg	53.0	7.14	1	A
Aroclor 1248	ND		ug/kg	53.0	7.94	1	A
Aroclor 1254	ND		ug/kg	53.0	5.79	1	A
Aroclor 1260	ND		ug/kg	53.0	9.79	1	A
Aroclor 1262	ND		ug/kg	53.0	6.73	1	A
Aroclor 1268	ND		ug/kg	53.0	5.49	1	A
PCBs, Total	ND		ug/kg	53.0	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/24 13:03
Analyst: RMP
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 09:33
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.7	4.95	1	A
Aroclor 1221	ND		ug/kg	55.7	5.58	1	A
Aroclor 1232	ND		ug/kg	55.7	11.8	1	A
Aroclor 1242	ND		ug/kg	55.7	7.51	1	A
Aroclor 1248	ND		ug/kg	55.7	8.36	1	A
Aroclor 1254	ND		ug/kg	55.7	6.09	1	A
Aroclor 1260	ND		ug/kg	55.7	10.3	1	A
Aroclor 1262	ND		ug/kg	55.7	7.08	1	A
Aroclor 1268	ND		ug/kg	55.7	5.77	1	A
PCBs, Total	ND		ug/kg	55.7	4.95	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	64		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/24 13:11
Analyst: RMP
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 09:33
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	4.99	1	A
Aroclor 1221	ND		ug/kg	56.2	5.63	1	A
Aroclor 1232	ND		ug/kg	56.2	11.9	1	A
Aroclor 1242	ND		ug/kg	56.2	7.58	1	A
Aroclor 1248	ND		ug/kg	56.2	8.43	1	A
Aroclor 1254	ND		ug/kg	56.2	6.15	1	A
Aroclor 1260	ND		ug/kg	56.2	10.4	1	A
Aroclor 1262	ND		ug/kg	56.2	7.14	1	A
Aroclor 1268	ND		ug/kg	56.2	5.82	1	A
PCBs, Total	ND		ug/kg	56.2	4.99	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	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/15/24 11:28
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 03/13/24 11:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1895691-1						
Aroclor 1016	ND		ug/kg	49.3	4.37	A
Aroclor 1221	ND		ug/kg	49.3	4.94	A
Aroclor 1232	ND		ug/kg	49.3	10.4	A
Aroclor 1242	ND		ug/kg	49.3	6.64	A
Aroclor 1248	ND		ug/kg	49.3	7.39	A
Aroclor 1254	ND		ug/kg	49.3	5.39	A
Aroclor 1260	ND		ug/kg	49.3	9.10	A
Aroclor 1262	ND		ug/kg	49.3	6.26	A
Aroclor 1268	ND		ug/kg	49.3	5.10	A
PCBs, Total	ND		ug/kg	49.3	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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 Batch: WG1895691-2 WG1895691-3									
Aroclor 1016	100		98		40-140	2		50	A
Aroclor 1260	96		95		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		76		30-150	A
Decachlorobiphenyl	91		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	B
Decachlorobiphenyl	88		84		30-150	B

PESTICIDES

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/24 06:50
Analyst: EJL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 07:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.613	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.979	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.762	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.621	1	A
4,4'-DDT	ND		ug/kg	1.74	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.582	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.02	1	A
Toxaphene	ND		ug/kg	32.6	9.14	1	A
cis-Chlordane	ND		ug/kg	2.18	0.606	1	A
trans-Chlordane	ND		ug/kg	2.18	0.574	1	A
Chlordane	ND		ug/kg	14.5	5.77	1	A

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	62		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 15:20
Analyst: MMG
Percent Solids: 91%
Methylation Date: 03/13/24 07:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/24 09:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.4	1	A
2,4,5-T	ND		ug/kg	182	5.63	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	103		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/24 07:01
Analyst: EJL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 07:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.345	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.926	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.810	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	ND		ug/kg	1.85	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.72	1	A
cis-Chlordane	ND		ug/kg	2.31	0.645	1	A
trans-Chlordane	ND		ug/kg	2.31	0.611	1	A
Chlordane	ND		ug/kg	15.4	6.13	1	A

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 15:38
Analyst: MMG
Percent Solids: 84%
Methylation Date: 03/13/24 07:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/24 09:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.10	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	104		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/24 07:12
Analyst: EJL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/14/24 07:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.688	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.794	1	A
Endrin ketone	ND		ug/kg	1.82	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.647	1	A
4,4'-DDT	ND		ug/kg	1.82	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.53	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	15.1	6.01	1	A

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	51		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/13/24 16:15
Analyst: MMG
Percent Solids: 86%
Methylation Date: 03/13/24 07:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/24 09:48

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	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	115		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/24 08:04
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 03/12/24 08:47

Methylation Date: 03/12/24 19:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1895123-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	108		30-150	B

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/15/24 05:20
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 03/13/24 07:51
Cleanup Method: EPA 3620B
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1895552-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.667	0.298	A
Alpha-BHC	ND		ug/kg	0.667	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.607	A
Heptachlor	ND		ug/kg	0.800	0.359	A
Aldrin	ND		ug/kg	1.60	0.563	A
Heptachlor epoxide	ND		ug/kg	3.00	0.900	A
Endrin	ND		ug/kg	0.667	0.273	A
Endrin aldehyde	ND		ug/kg	2.00	0.700	A
Endrin ketone	ND		ug/kg	1.60	0.412	A
Dieldrin	ND		ug/kg	1.00	0.500	A
4,4'-DDE	ND		ug/kg	1.60	0.370	A
4,4'-DDD	ND		ug/kg	1.60	0.571	A
4,4'-DDT	ND		ug/kg	1.60	1.29	A
Endosulfan I	ND		ug/kg	1.60	0.378	A
Endosulfan II	ND		ug/kg	1.60	0.535	A
Endosulfan sulfate	ND		ug/kg	0.667	0.317	A
Methoxychlor	ND		ug/kg	3.00	0.933	A
Toxaphene	ND		ug/kg	30.0	8.40	A
cis-Chlordane	ND		ug/kg	2.00	0.557	A
trans-Chlordane	ND		ug/kg	2.00	0.528	A
Chlordane	ND		ug/kg	13.3	5.30	A

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/15/24 05:20
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 03/13/24 07:51
Cleanup Method: EPA 3620B
Cleanup Date: 03/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1895552-1						

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	70		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1895123-2 WG1895123-3									
2,4-D	103		96		30-150	7		30	A
2,4,5-T	102		95		30-150	7		30	A
2,4,5-TP (Silvex)	104		99		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	101		95		30-150	A
DCAA	128		121		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

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: WG1895552-2 WG1895552-3									
Delta-BHC	80		83		30-150	4		30	A
Lindane	81		83		30-150	2		30	A
Alpha-BHC	83		83		30-150	0		30	A
Beta-BHC	89		99		30-150	11		30	A
Heptachlor	77		79		30-150	3		30	A
Aldrin	80		82		30-150	2		30	A
Heptachlor epoxide	64		68		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin aldehyde	72		74		30-150	3		30	A
Endrin ketone	79		82		30-150	4		30	A
Dieldrin	86		90		30-150	5		30	A
4,4'-DDE	79		84		30-150	6		30	A
4,4'-DDD	78		83		30-150	6		30	A
4,4'-DDT	81		88		30-150	8		30	A
Endosulfan I	77		81		30-150	5		30	A
Endosulfan II	80		86		30-150	7		30	A
Endosulfan sulfate	74		77		30-150	4		30	A
Methoxychlor	76		80		30-150	5		30	A
cis-Chlordane	73		77		30-150	5		30	A
trans-Chlordane	85		88		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1895552-2 WG1895552-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		69		30-150	A
Decachlorobiphenyl	66		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		68		30-150	B
Decachlorobiphenyl	93		90		30-150	B

METALS

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01 Date Collected: 03/08/24 12:03

Client ID: PH1_SB24_2-4 Date Received: 03/08/24

Sample Location: 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	10400		mg/kg	21.2	5.74	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.6	0.807	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.21		mg/kg	2.12	0.442	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Barium, Total	60.7		mg/kg	2.12	0.370	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.415	J	mg/kg	1.06	0.070	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.389	J	mg/kg	2.12	0.208	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Calcium, Total	7720		mg/kg	21.2	7.44	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Chromium, Total	22.0		mg/kg	2.12	0.204	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.81		mg/kg	4.25	0.353	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Copper, Total	16.6		mg/kg	2.12	0.548	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Iron, Total	17800		mg/kg	10.6	1.92	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Lead, Total	129		mg/kg	10.6	0.569	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Magnesium, Total	3040		mg/kg	21.2	3.27	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Manganese, Total	248		mg/kg	2.12	0.338	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Mercury, Total	0.139		mg/kg	0.078	0.051	1	03/14/24 23:50	03/15/24 10:44	EPA 7471B	1,7471B	GMG
Nickel, Total	13.7		mg/kg	5.31	0.514	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Potassium, Total	1150		mg/kg	531	30.6	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.25	0.548	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.06	0.601	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Sodium, Total	172	J	mg/kg	425	6.69	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.25	0.669	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Vanadium, Total	22.4		mg/kg	2.12	0.431	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
Zinc, Total	51.3		mg/kg	10.6	0.622	5	03/14/24 22:35	03/15/24 12:56	EPA 3050B	1,6010D	DMC
General Chemistry - Mansfield Lab											
Chromium, Trivalent	21.7	J	mg/kg	2.12	0.204	1		03/15/24 12:56	NA	107,-	

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02 Date Collected: 03/08/24 12:14

Client ID: PH1_SB24_8.5-10.5 Date Received: 03/08/24

Sample Location: 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	11200		mg/kg	23.4	6.32	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Antimony, Total	1.21	J	mg/kg	11.7	0.890	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.92		mg/kg	2.34	0.487	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Barium, Total	70.8		mg/kg	2.34	0.407	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.486	J	mg/kg	1.17	0.077	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.497	J	mg/kg	2.34	0.229	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Calcium, Total	3140		mg/kg	23.4	8.20	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Chromium, Total	19.3		mg/kg	2.34	0.225	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.84		mg/kg	4.68	0.389	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Copper, Total	24.1		mg/kg	2.34	0.604	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Iron, Total	17400		mg/kg	11.7	2.11	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Lead, Total	101		mg/kg	11.7	0.628	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Magnesium, Total	3690		mg/kg	23.4	3.61	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Manganese, Total	393		mg/kg	2.34	0.372	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Mercury, Total	0.249		mg/kg	0.076	0.049	1	03/14/24 23:50	03/15/24 10:47	EPA 7471B	1,7471B	GMG
Nickel, Total	16.2		mg/kg	5.85	0.567	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Potassium, Total	1300		mg/kg	585	33.7	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.68	0.604	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.17	0.663	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Sodium, Total	235	J	mg/kg	468	7.38	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.68	0.738	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Vanadium, Total	23.1		mg/kg	2.34	0.475	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
Zinc, Total	76.0		mg/kg	11.7	0.686	5	03/14/24 22:35	03/15/24 13:04	EPA 3050B	1,6010D	DMC
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19.3		mg/kg	2.34	0.225	1		03/15/24 13:04	NA	107,-	

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03 Date Collected: 03/08/24 12:25

Client ID: PH1_SB24_6-8 Date Received: 03/08/24

Sample Location: 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	8130		mg/kg	23.1	6.24	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	11.6	0.878	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Arsenic, Total	6.64		mg/kg	2.31	0.481	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Barium, Total	221		mg/kg	2.31	0.402	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.370	J	mg/kg	1.16	0.076	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.776	J	mg/kg	2.31	0.226	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Calcium, Total	6760		mg/kg	23.1	8.09	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Chromium, Total	15.6		mg/kg	2.31	0.222	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.20		mg/kg	4.62	0.384	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Copper, Total	23.6		mg/kg	2.31	0.596	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Iron, Total	20200		mg/kg	11.6	2.09	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Lead, Total	543		mg/kg	11.6	0.619	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Magnesium, Total	2930		mg/kg	23.1	3.56	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Manganese, Total	246		mg/kg	2.31	0.367	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Mercury, Total	0.183		mg/kg	0.080	0.052	1	03/14/24 23:50	03/15/24 10:51	EPA 7471B	1,7471B	GMG
Nickel, Total	16.9		mg/kg	5.78	0.559	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Potassium, Total	1230		mg/kg	578	33.3	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.62	0.596	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.16	0.654	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Sodium, Total	161	J	mg/kg	462	7.28	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.62	0.728	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Vanadium, Total	23.9		mg/kg	2.31	0.469	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
Zinc, Total	258		mg/kg	11.6	0.677	5	03/14/24 22:35	03/15/24 13:11	EPA 3050B	1,6010D	DMC
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15.6		mg/kg	2.31	0.222	1		03/15/24 13:11	NA	107,-	

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

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 Batch: WG1896356-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Iron, Total	1.57	J	mg/kg	2.00	0.361	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Potassium, Total	13.7	J	mg/kg	100	5.76	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Sodium, Total	7.67	J	mg/kg	80.0	1.26	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Thallium, Total	0.136	J	mg/kg	0.800	0.126	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/14/24 22:35	03/15/24 09:35	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1896359-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/14/24 23:50	03/15/24 09:27	1,7471B	GMG

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1896356-2 SRM Lot Number: D123-540								
Aluminum, Total	72		-		53-147	-		
Antimony, Total	137		-		2-201	-		
Arsenic, Total	100		-		82-118	-		
Barium, Total	101		-		82-118	-		
Beryllium, Total	100		-		83-117	-		
Cadmium, Total	95		-		83-118	-		
Calcium, Total	92		-		82-118	-		
Chromium, Total	101		-		81-118	-		
Cobalt, Total	101		-		83-117	-		
Copper, Total	93		-		83-117	-		
Iron, Total	84		-		58-142	-		
Lead, Total	98		-		82-119	-		
Magnesium, Total	88		-		75-124	-		
Manganese, Total	100		-		81-119	-		
Nickel, Total	101		-		82-118	-		
Potassium, Total	88		-		72-128	-		
Selenium, Total	99		-		81-119	-		
Silver, Total	100		-		79-120	-		
Sodium, Total	108		-		74-126	-		
Thallium, Total	95		-		81-120	-		
Vanadium, Total	97		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1896356-2 SRM Lot Number: D123-540					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1896359-2 SRM Lot Number: D123-540					
Mercury, Total	97	-	67-132	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896356-3 WG1896356-4 QC Sample: L2410516-118 Client ID: MS Sample												
Aluminum, Total	8240	184	9990	**949**	Q	9610	**746**	Q	75-125	4		20
Antimony, Total	1.16J	46.1	43.4	94		44.4	97		75-125	2		20
Arsenic, Total	9.09	11.1	20.6	104		21.7	114		75-125	5		20
Barium, Total	57.3	184	258	109		257	109		75-125	0		20
Beryllium, Total	0.295J	4.61	5.18	112		5.21	113		75-125	1		20
Cadmium, Total	0.572J	4.89	5.53	113		5.57	114		75-125	1		20
Calcium, Total	649	922	1620	105		1620	106		75-125	0		20
Chromium, Total	16.7	18.4	35.9	104		36.7	109		75-125	2		20
Cobalt, Total	6.52	46.1	55.3	106		55.7	107		75-125	1		20
Copper, Total	49.5	23	67.8	79		75.4	113		75-125	11		20
Iron, Total	28200	92.2	27100	**0**	Q	30000	**1960**	Q	75-125	10		20
Lead, Total	131	48.9	177	94		191	123		75-125	8		20
Magnesium, Total	3460	922	4960	**163**	Q	4830	**149**	Q	75-125	3		20
Manganese, Total	303	46.1	773	**1020**	Q	441	**301**	Q	75-125	**55**	Q	20
Nickel, Total	14.1	46.1	65.9	112		64.8	110		75-125	2		20
Potassium, Total	598	922	1610	110		1620	111		75-125	1		20
Selenium, Total	ND	11.1	11.3	102		11.0	100		75-125	3		20
Silver, Total	ND	4.61	4.72	102		4.79	104		75-125	1		20
Sodium, Total	48.8J	922	1020	110		1040	113		75-125	2		20
Thallium, Total	ND	11.1	11.2	101		11.0	100		75-125	2		20
Vanadium, Total	16.4	46.1	63.8	103		65.1	106		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

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 QC Batch ID: WG1896356-3 WG1896356-4 QC Sample: L2410516-118 Client ID: MS Sample										
Zinc, Total	53.8	46.1	119	**141**	Q	108	118	75-125	10	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896359-3 WG1896359-4 QC Sample: L2410516-118 Client ID: MS Sample										
Mercury, Total	0.273	1.54	1.77	97		1.79	102	80-120	1	20

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2412985
Report Date: 03/15/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1896356-6 QC Sample: L2410516-118 Client ID: DUP Sample						
Aluminum, Total	8240	8520	mg/kg	3		20
Calcium, Total	649	693	mg/kg	7		20
Iron, Total	28200	29700	mg/kg	5		20
Magnesium, Total	3460	3540	mg/kg	2		20
Manganese, Total	303	314	mg/kg	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402
Lab Number: L2412985
Report Date: 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-01
Client ID: PH1_SB24_2-4
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/08/24 12:03
Date Received: 03/08/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	03/09/24 10:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/14/24 03:30	03/14/24 13:32	1,9010C/9012B	JER
Chromium, Hexavalent	0.274	J	mg/kg	0.876	0.175	1	03/15/24 08:10	03/15/24 12:05	1,7196A	RDS

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402
Lab Number: L2412985
Report Date: 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-02
Client ID: PH1_SB24_8.5-10.5
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/08/24 12:14
Date Received: 03/08/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	03/09/24 10:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	03/14/24 03:30	03/14/24 13:33	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.955	0.191	1	03/15/24 08:10	03/15/24 12:05	1,7196A	RDS

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402
Lab Number: L2412985
Report Date: 03/15/24

SAMPLE RESULTS

Lab ID: L2412985-03
Client ID: PH1_SB24_6-8
Sample Location: MANHATTAN, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/08/24 12:25
Date Received: 03/08/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	03/09/24 10:25	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/13/24 20:10	03/14/24 14:34	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.932	0.186	1	03/15/24 08:10	03/15/24 12:05	1,7196A	RDS

Project Name: 687 LENOX AVE-PHASE 1 **Lab Number:** L2412985

Project Number: 170635402 **Report Date:** 03/15/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1895926-1										
Cyanide, Total	ND		mg/kg	0.87	0.18	1	03/13/24 20:10	03/14/24 14:28	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1895996-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	03/14/24 03:30	03/14/24 12:20	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1896076-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/15/24 08:10	03/15/24 12:05	1,7196A	RDS

Lab Control Sample Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1895926-2 WG1895926-3								
Cyanide, Total	90		91		80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1895996-2 WG1895996-3								
Cyanide, Total	82		93		80-120	23		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1896076-2								
Chromium, Hexavalent	98		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1895926-4 WG1895926-5 QC Sample: L2413007-02 Client ID: MS Sample												
Cyanide, Total	ND	12	13	110		13	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1895996-4 WG1895996-5 QC Sample: L2412963-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1896076-4 QC Sample: L2412985-03 Client ID: PH1_SB24_6-8												
Chromium, Hexavalent	ND	1430	1320	92		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 687 LENOX AVE-PHASE 1

Project Number: 170635402

Lab Number: L2412985

Report Date: 03/15/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1894232-1 QC Sample: L2412963-01 Client ID: DUP Sample						
Solids, Total	79.5	82.6	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1896076-6 QC Sample: L2412985-03 Client ID: PH1_SB24_6-8						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2412985-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2412985-01B	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-01C	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-01D	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2412985-01E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2412985-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	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),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2412985-01G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		HEXCR-7196(30)
L2412985-01H	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-1633-DRAFT(90)
L2412985-01I	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2412985-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2412985-02B	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-02C	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-02D	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2412985-02E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2412985-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	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),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2412985-02G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		HEXCR-7196(30)
L2412985-02H	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-1633-DRAFT(90)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402

Lab Number: L2412985
Report Date: 03/15/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2412985-02I	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2412985-03A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2412985-03B	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-03C	Vial water preserved	A	NA		3.5	Y	Absent	09-MAR-24 09:09	NYTCL-8260HLW(14)
L2412985-03D	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2412985-03E	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2412985-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	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),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2412985-03G	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		HEXCR-7196(30)
L2412985-03H	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-1633-DRAFT(90)
L2412985-03I	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402
Lab Number: L2412985
Report Date: 03/15/24

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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 687 LENOX AVE-PHASE 1
Project Number: 170635402
Lab Number: L2412985
Report Date: 03/15/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
Project Number:	170635402	**Report Date:**	03/15/24

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:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
Project Number:	170635402	**Report Date:**	03/15/24

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

Project Name:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	687 LENOX AVE-PHASE 1	**Lab Number:**	L2412985
Project Number:	170635402	**Report Date:**	03/15/24

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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 3/9/24

ALPHA Job #: L2412985

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

Client Information
Client: Langan DPC
Address: 368 W 31st, NY, NY, 10001
Phone: 212-479-5400
Fax:
Email: gwyka@langan.com

Project Information
Project Name: 687 Lenox Ave - Phase I
Project Location: Manhattan, NY
Project #: 170635402
(Use Project name as Project #)
Project Manager: Greg Wyka
ALPHAQuote #: 21538

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

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

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

Billing Information
[X] Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:
cc: datamanagement@langan.com & enesci@langan.com

Please specify Metals or TAL.

ANALYSIS
TCL VOCs, TCL SVOCs, PCBs, pest & herbs
PP metals (incl. hex & tri chrom)
cyanide, PFAS (40 compound list)
1,4-dioxane

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
L2985-01	PH1_SB24_2-4	3/8/24	1203	S	CP	
-02	PH1_SB24_8.5-10.5	↓	1214	↓	↓	
-03	PH1_SB24_6-8	↓	1225	↓	↓	

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Camille Quick (Langan)	3/8/24 17:45	[illegible]	3/8/24 17:45
[illegible]	3/8/24 18:55	[illegible]	3/8/24 19:20
[illegible]	3/8/24	[illegible]	3/8 22:00
[illegible]	3/9/24 0130	[illegible]	3/9/24 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2414266
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	ONE45-PHASE 1
Project Number:	170635402
Report Date:	03/28/24

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-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2414266-01	PH1_MW26_031524	WATER	MANHATTAN, NY	03/15/24 09:46	03/15/24
L2414266-02	PH1_GWTB04_031524	WATER	MANHATTAN, NY	03/15/24 00:00	03/15/24
L2414266-03	PH1_GWFB04_031524	WATER	MANHATTAN, NY	03/15/24 10:35	03/15/24

Project Name:	ONE45-PHASE 1	**Lab Number:**	L2414266
Project Number:	170635402	**Report Date:**	03/28/24

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:	ONE45-PHASE 1	**Lab Number:**	L2414266
Project Number:	170635402	**Report Date:**	03/28/24

Case Narrative (continued)

Report Submission

March 28, 2024: This final report includes the results of all requested analyses.

March 25, 2024: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics by SIM

The WG1899156-1 Method Blank, associated with L2414266-01, has a concentration above the reporting limit for Naphthalene. Since the associated sample concentration is non-detect to the RL for this target analyte, no corrective action is required.

Perfluorinated Alkyl Acids by 1633

L2414266-01, WG1900476-4, and WG1900476-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Hexavalent Chromium

L2414266-01: A Matrix Spike and Laboratory Duplicate could not be performed due to insufficient sample volume available for analysis.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 03/28/24

ORGANICS

VOLATILES

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/19/24 15:43
Analyst: MAG

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	0.58		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.76	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	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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-02
Client ID: PH1_GWTB04_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 00:00
Date Received: 03/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/19/24 16:05
Analyst: MAG

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

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-02 Date Collected: 03/15/24 00:00

Client ID: PH1_GWTB04_031524 Date Received: 03/15/24

Sample Location: 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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-02 Date Collected: 03/15/24 00:00

Client ID: PH1_GWTB04_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/19/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1898041-5					
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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/19/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1898041-5					
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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/19/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1898041-5					
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	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1898041-3 WG1898041-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	96		91		70-130	5		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	88		86		62-150	2		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		99		67-130	1		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	97		95		70-130	2		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	89		92		54-136	3		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	99		97		70-130	2		20
Chloromethane	**150**	Q	**140**	Q	64-130	7		20
Bromomethane	70		77		39-139	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1898041-3 WG1898041-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	86		84		55-138	2		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	96		98		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	96		99		70-130	3		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	120		120		70-130	0		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	140		130		36-147	7		20
Acetone	110		120		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	90		90		59-130	0		20
2-Hexanone	85		89		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1898041-3 WG1898041-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	98		97		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	98		99		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		94		41-144	11		20
Hexachlorobutadiene	86		90		63-130	5		20
Isopropylbenzene	98		99		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	82		90		70-130	9		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	82		88		70-130	7		20
1,2,4-Trichlorobenzene	85		88		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	130		118		56-162	10		20
p-Diethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1898041-3 WG1898041-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	94		97		70-130	3		20
Ethyl ether	80		81		59-134	1		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/22/24 23:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

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	1.4	J	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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	52		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	78		41-149

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/19/24 06:05
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 03/16/24 15:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	112.	J	ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/23/24 22:50
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	53		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	71		41-149

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/25/24 22:47
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 03/25/24 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	13.3		ng/l	6.32	1.01	1
Perfluoropentanoic Acid (PFPeA)	21.2		ng/l	3.16	0.845	1
Perfluorobutanesulfonic Acid (PFBS)	9.57		ng/l	1.58	0.529	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.32	1.65	1
Perfluorohexanoic Acid (PFHxA)	15.8		ng/l	1.58	0.466	1
Perfluoropentanesulfonic Acid (PFPeS)	0.751	J	ng/l	1.58	0.276	1
Perfluoroheptanoic Acid (PFHpA)	10.8		ng/l	1.58	0.316	1
Perfluorohexanesulfonic Acid (PFHxS)	3.36		ng/l	1.58	0.379	1
Perfluorooctanoic Acid (PFOA)	51.0		ng/l	1.58	0.687	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.32	2.13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.58	0.427	1
Perfluorononanoic Acid (PFNA)	4.74		ng/l	1.58	0.498	1
Perfluorooctanesulfonic Acid (PFOS)	31.2		ng/l	1.58	0.719	1
Perfluorodecanoic Acid (PFDA)	1.75		ng/l	1.58	0.640	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.32	2.46	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.58	0.490	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.58	0.861	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.58	0.687	1
Perfluorodecanesulfonic Acid (PFDS)	1.07	J	ng/l	1.58	0.363	1
Perfluorooctanesulfonamide (PFOSA)	0.822	JF	ng/l	1.58	0.427	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.69		ng/l	1.58	0.853	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.58	0.727	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.58	0.593	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.58	0.419	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.32	0.885	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.32	0.996	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.58	0.600	1

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.32	1.30	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.32	1.30	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.58	0.687	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.58	0.727	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.8	3.71	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.8	1.94	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.16	0.450	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.16	0.419	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.16	0.348	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.16	1.86	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.90	2.61	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.5	9.24	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	11.1	J	ng/l	39.5	6.23	1

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	71		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**201**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	71		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	118		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	64		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	61		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	142		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	70		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	55		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	75		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	43		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	41		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	54		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		20-150

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-03
Client ID: PH1_GWFB04_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 10:35
Date Received: 03/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/26/24 02:37
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 03/25/24 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.26	1.00	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.13	0.838	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.56	0.524	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.26	1.64	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.56	0.462	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.56	0.274	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.56	0.313	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.56	0.376	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.56	0.681	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.26	2.11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.56	0.423	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.56	0.493	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.56	0.712	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.56	0.634	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.26	2.43	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.56	0.485	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.56	0.853	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.56	0.681	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.56	0.360	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.56	0.423	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.56	0.845	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.56	0.720	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.56	0.587	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.56	0.415	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.26	0.877	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.26	0.986	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.56	0.595	1

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-03 Date Collected: 03/15/24 10:35

Client ID: PH1_GWFB04_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.26	1.29	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.26	1.29	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.56	0.681	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.56	0.720	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.6	3.68	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.6	1.92	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.13	0.446	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.13	0.415	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.13	0.344	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.13	1.85	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.83	2.58	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.1	9.16	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	39.1	6.18	1

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-03 Date Collected: 03/15/24 10:35

Client ID: PH1_GWFB04_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	105		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	89		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	105		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	131		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	86		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	73		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	93		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	59		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	57		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	75		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	81		20-150

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/18/24 18:25
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 03/16/24 15:13

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01 Batch: WG1897130-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	56		15-110

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/24 13:35
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1899153-1					
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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/24 13:35
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1899153-1					
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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/22/24 13:35
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1899153-1					
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	39		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	80		41-149

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/22/24 12:58
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1899156-1					
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	0.19		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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/22/24 12:58
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/21/24 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1899156-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	59		41-149

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/25/24 22:09
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 03/25/24 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,03 Batch: WG1900476-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/25/24 22:09
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 03/25/24 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,03 Batch: WG1900476-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/25/24 22:09
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 03/25/24 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,03 Batch: WG1900476-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	100		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	119		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	92		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	92		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	46		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	72		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	79		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1897130-2 WG1897130-3								
1,4-Dioxane	116		116		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	50		52		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1899153-2 WG1899153-3								
Acenaphthene	72		64		37-111	12		30
1,2,4-Trichlorobenzene	66		57		39-98	15		30
Hexachlorobenzene	76		70		40-140	8		30
Bis(2-chloroethyl)ether	68		55		40-140	21		30
2-Chloronaphthalene	72		64		40-140	12		30
1,2-Dichlorobenzene	65		55		40-140	17		30
1,3-Dichlorobenzene	65		52		40-140	22		30
1,4-Dichlorobenzene	65		54		36-97	18		30
3,3'-Dichlorobenzidine	81		73		40-140	10		30
2,4-Dinitrotoluene	76		71		48-143	7		30
2,6-Dinitrotoluene	75		72		40-140	4		30
Fluoranthene	80		74		40-140	8		30
4-Chlorophenyl phenyl ether	74		68		40-140	8		30
4-Bromophenyl phenyl ether	80		76		40-140	5		30
Bis(2-chloroisopropyl)ether	67		54		40-140	21		30
Bis(2-chloroethoxy)methane	74		63		40-140	16		30
Hexachlorobutadiene	69		59		40-140	16		30
Hexachlorocyclopentadiene	76		68		40-140	11		30
Hexachloroethane	68		56		40-140	19		30
Isophorone	77		64		40-140	18		30
Naphthalene	67		57		40-140	16		30
Nitrobenzene	72		62		40-140	15		30
NDPA/DPA	78		73		40-140	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1899153-2 WG1899153-3								
n-Nitrosodi-n-propylamine	78		66		29-132	17		30
Bis(2-ethylhexyl)phthalate	89		91		40-140	2		30
Butyl benzyl phthalate	87		84		40-140	4		30
Di-n-butylphthalate	88		86		40-140	2		30
Di-n-octylphthalate	91		94		40-140	3		30
Diethyl phthalate	81		75		40-140	8		30
Dimethyl phthalate	77		72		40-140	7		30
Benzo(a)anthracene	77		75		40-140	3		30
Benzo(a)pyrene	79		78		40-140	1		30
Benzo(b)fluoranthene	79		80		40-140	1		30
Benzo(k)fluoranthene	77		75		40-140	3		30
Chrysene	72		69		40-140	4		30
Acenaphthylene	73		66		45-123	10		30
Anthracene	76		70		40-140	8		30
Benzo(ghi)perylene	77		76		40-140	1		30
Fluorene	75		68		40-140	10		30
Phenanthrene	70		66		40-140	6		30
Dibenzo(a,h)anthracene	80		79		40-140	1		30
Indeno(1,2,3-cd)pyrene	85		86		40-140	1		30
Pyrene	79		73		26-127	8		30
Biphenyl	77		68		40-140	12		30
4-Chloroaniline	57		52		40-140	9		30
2-Nitroaniline	75		72		52-143	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1899153-2 WG1899153-3								
3-Nitroaniline	76		70		25-145	8		30
4-Nitroaniline	74		69		51-143	7		30
Dibenzofuran	70		63		40-140	11		30
2-Methylnaphthalene	70		62		40-140	12		30
1,2,4,5-Tetrachlorobenzene	73		65		2-134	12		30
Acetophenone	86		71		39-129	19		30
2,4,6-Trichlorophenol	85		77		30-130	10		30
p-Chloro-m-cresol	80		75		23-97	6		30
2-Chlorophenol	71		60		27-123	17		30
2,4-Dichlorophenol	82		71		30-130	14		30
2,4-Dimethylphenol	70		57		30-130	20		30
2-Nitrophenol	86		70		30-130	21		30
4-Nitrophenol	66		63		10-80	5		30
2,4-Dinitrophenol	78		73		20-130	7		30
4,6-Dinitro-o-cresol	87		80		20-164	8		30
Pentachlorophenol	72		72		9-103	0		30
Phenol	51		44		12-110	15		30
2-Methylphenol	71		60		30-130	17		30
3-Methylphenol/4-Methylphenol	76		66		30-130	14		30
2,4,5-Trichlorophenol	86		80		30-130	7		30
Benzoic Acid	29		24		10-164	19		30
Benzyl Alcohol	68		59		26-116	14		30
Carbazole	78		72		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1899153-2 WG1899153-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		51		21-120
Phenol-d6	50		44		10-120
Nitrobenzene-d5	75		62		23-120
2-Fluorobiphenyl	71		62		15-120
2,4,6-Tribromophenol	93		85		10-120
4-Terphenyl-d14	79		74		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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 Batch: WG1899156-2 WG1899156-3								
Acenaphthene	82		78		40-140	5		40
2-Chloronaphthalene	78		73		40-140	7		40
Fluoranthene	84		82		40-140	2		40
Hexachlorobutadiene	80		71		40-140	12		40
Naphthalene	79		71		40-140	11		40
Benzo(a)anthracene	88		88		40-140	0		40
Benzo(a)pyrene	93		93		40-140	0		40
Benzo(b)fluoranthene	96		97		40-140	1		40
Benzo(k)fluoranthene	101		97		40-140	4		40
Chrysene	86		86		40-140	0		40
Acenaphthylene	78		74		40-140	5		40
Anthracene	87		87		40-140	0		40
Benzo(ghi)perylene	81		85		40-140	5		40
Fluorene	84		81		40-140	4		40
Phenanthrene	83		82		40-140	1		40
Dibenzo(a,h)anthracene	90		92		40-140	2		40
Indeno(1,2,3-cd)pyrene	87		93		40-140	7		40
Pyrene	84		82		40-140	2		40
2-Methylnaphthalene	82		75		40-140	9		40
Pentachlorophenol	84		81		40-140	4		40
Hexachlorobenzene	92		91		40-140	1		40
Hexachloroethane	77		67		40-140	14		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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 Batch: WG1899156-2 WG1899156-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		56		21-120
Phenol-d6	52		47		10-120
Nitrobenzene-d5	92		80		23-120
2-Fluorobiphenyl	81		73		15-120
2,4,6-Tribromophenol	107		110		10-120
4-Terphenyl-d14	73		70		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	100		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	103		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	105		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	101		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	122		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	116		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	126		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	106		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	91		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	110		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	87		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	97		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	105		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	92		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	100		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	104		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	102		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	89		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	85		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	76		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	80		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	84		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	103		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	89		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	94		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	97		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	98		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	108		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	96		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	78		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	69		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	96				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	100				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	89				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	103				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	119				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	78				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	68				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	54				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	57				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	72				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	81				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-3								
Perfluorobutanoic Acid (PFBA)	110		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	109		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	111		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	114		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	110		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	131		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	131		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	116		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	112		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	103		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	117		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	119		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-3								
Perfluorotridecanoic Acid (PFTrDA)	100		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	110		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	109		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	113		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	96		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	91		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	79		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	107		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	110		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	112		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	102		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	105		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	105		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	106		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	113		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	106		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	102		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	89		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,03 Batch: WG1900476-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	68				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	104				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	66				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	67				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	61				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	86				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	47				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	65				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	70				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1 ***Lab Number:*** L2414266

Project Number: 170635402 ***Report Date:*** 03/28/24

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 EPA 1633 - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1900476-4 WG1900476-5 QC Sample: L2414266-01 Client ID: PH1_MW26_031524												
Perfluorobutanoic Acid (PFBA)	13.3	80	102	111		103	111		40-150	1		30
Perfluoropentanoic Acid (PFPeA)	21.2	40	65.4	110		66.2	111		40-150	1		30
Perfluorobutanesulfonic Acid (PFBS)	9.57	17.7	30.9	120		29.6	112		40-150	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	75	77.9	104		83.8	111		40-150	7		30
Perfluorohexanoic Acid (PFHxA)	15.8	20	38.4	113		37.4	107		40-150	3		30
Perfluoropentanesulfonic Acid (PFPeS)	0.751J	18.8	23.1	119		23.1	118		40-150	0		30
Perfluoroheptanoic Acid (PFHpA)	10.8	20	32.7	109		32.8	109		40-150	0		30
Perfluorohexanesulfonic Acid (PFHxS)	3.36	18.3	23.5	110		23.7	110		40-150	1		30
Perfluorooctanoic Acid (PFOA)	51.0	20	77.6	133		77.9	133		40-150	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	76	80.6	106		84.6	110		40-150	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	19.1	23.2	122		23.6	123		40-150	2		30
Perfluorononanoic Acid (PFNA)	4.74	20	30.2	127		30.6	128		40-150	1		30
Perfluorooctanesulfonic Acid (PFOS)	31.2	18.6	53.6	121		54.5	124		40-150	2		30
Perfluorodecanoic Acid (PFDA)	1.75	20	25.4	118		27.8	129		40-150	9		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	76.8	89.1	116		85.2	110		40-150	4		30
Perfluorononanesulfonic Acid (PFNS)	ND	19.2	24.5	127		22.7	117		40-150	8		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	20	22.4	112		23.6	117		40-150	5		30
Perfluoroundecanoic Acid (PFUnA)	ND	20	25.4	127		24.6	122		40-150	3		30
Perfluorodecanesulfonic Acid (PFDS)	1.07J	19.3	23.4	116		21.7	106		40-150	8		30
Perfluorooctanesulfonamide (PFOSA)	0.822JF	20	24.9	120		26.9	129		40-150	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.69	20	27.4	124		29.1	131		40-150	6		30
Perfluorododecanoic Acid (PFDoA)	ND	20	23.2	116		23.8	118		40-150	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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 EPA 1633 - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1900476-4 WG1900476-5 QC Sample: L2414266-01 Client ID: PH1_MW26_031524												
Perfluorotridecanoic Acid (PFTrDA)	ND	20	21.0	105		23.0	114		40-150	9		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	20	22.0	110		24.8	123		40-150	12		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	80	91.6	114		90.6	112		40-150	1		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	75.6	101	134		97.0	127		40-150	4		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	19.4	19.1	98		18.8	96		40-150	2		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	74.8	79.2	106		75.6	100		40-150	5		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	75.6	70.0	93		64.1	84		40-150	9		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	20	21.3	106		23.4	116		40-150	9		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	20	21.4	107		22.2	110		40-150	4		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	200	229	114		255	126		40-150	11		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	200	194	97		219	108		40-150	12		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	40	50.8	127		53.8	133		40-150	6		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	40	43.9	110		41.7	103		40-150	5		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	35.6	39.8	112		39.7	110		40-150	0		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	40	40.6	101		40.7	101		40-150	0		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	100	112	112		120	119		40-150	7		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	500	603	121		616	122		40-150	2		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	11.1J	500	620	122		615	120		40-150	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

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 EPA 1633 - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1900476-4 WG1900476-5 QC Sample: L2414266-01 Client ID: PH1_MW26_031524

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	132		**151**	Q	20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**179**	Q	**196**	Q	20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	112		131		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	44		46		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	65		66		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	61		58		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	43		45		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74		71		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	55		52		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	67		78		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56		56		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	60		67		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	69		82		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64		62		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	63		63		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	73		85		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		95		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		60		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	55		54		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76		87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	67		78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68		76		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	67		75		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1 ***Lab Number:*** L2414266

Project Number: 170635402 ***Report Date:*** 03/28/24

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 EPA 1633 - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1900476-4 WG1900476-5 QC Sample: L2414266-01 Client ID: PH1_MW26_031524												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	71		85		20-150

PCBS

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/24 00:03
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 03/22/24 06:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	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	82		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/22/24 14:14
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 03/22/24 06:14
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1899407-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1899407-2 WG1899407-3									
Aroclor 1016	63		59		40-140	6		50	A
Aroclor 1260	59		55		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	A
Decachlorobiphenyl	64		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		70		30-150	B
Decachlorobiphenyl	77		78		30-150	B

PESTICIDES

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/22/24 14:18
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 03/22/24 05:20

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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 03/18/24 16:45
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 03/16/24 22:08

Methylation Date: 03/17/24 12:18

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	96		30-150	B

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/18/24 15:50
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 03/16/24 22:08

Methylation Date: 03/17/24 12:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1897164-1						
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	90		30-150	A
DCAA	94		30-150	B

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/22/24 12:51
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 03/22/24 05:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1899389-1						
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: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/22/24 12:51
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 03/22/24 05:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1899389-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1897164-2 WG1897164-3									
2,4-D	103		92		30-150	11		25	A
2,4,5-T	101		92		30-150	9		25	A
2,4,5-TP (Silvex)	104		94		30-150	10		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	99		88		30-150	A
DCAA	123		110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1899389-2 WG1899389-3									
Delta-BHC	99		80		30-150	**22**	Q	20	A
Lindane	99		80		30-150	**22**	Q	20	A
Alpha-BHC	101		82		30-150	**21**	Q	20	A
Beta-BHC	111		90		30-150	**21**	Q	20	A
Heptachlor	123		100		30-150	**21**	Q	20	A
Aldrin	96		78		30-150	20		20	A
Heptachlor epoxide	116		94		30-150	**21**	Q	20	A
Endrin	111		90		30-150	**21**	Q	20	A
Endrin aldehyde	104		87		30-150	18		20	A
Endrin ketone	121		98		30-150	**21**	Q	20	A
Dieldrin	112		89		30-150	**23**	Q	20	A
4,4'-DDE	97		78		30-150	**21**	Q	20	A
4,4'-DDD	111		88		30-150	**23**	Q	20	A
4,4'-DDT	118		96		30-150	**21**	Q	20	A
Endosulfan I	113		91		30-150	**22**	Q	20	A
Endosulfan II	110		89		30-150	**21**	Q	20	A
Endosulfan sulfate	105		86		30-150	20		20	A
Methoxychlor	**151**	Q	125		30-150	19		20	A
cis-Chlordane	103		85		30-150	20		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1899389-2 WG1899389-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		63		30-150	A
Decachlorobiphenyl	107		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		66		30-150	B
Decachlorobiphenyl	90		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1899389-2 WG1899389-3									
trans-Chlordane	102		84		30-150	19		20	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		63		30-150	A
Decachlorobiphenyl	107		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		66		30-150	B
Decachlorobiphenyl	90		74		30-150	B

METALS

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00438	J	mg/l	0.0100	0.00327	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00365	J	mg/l	0.00400	0.00042	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00074		mg/l	0.00050	0.00016	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Barium, Total	0.1044		mg/l	0.00050	0.00017	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Calcium, Total	150.		mg/l	0.100	0.0394	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00139		mg/l	0.00100	0.00017	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00037	J	mg/l	0.00050	0.00016	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Copper, Total	0.00307		mg/l	0.00100	0.00038	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Iron, Total	0.0751		mg/l	0.0500	0.0191	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Magnesium, Total	44.7		mg/l	0.700	0.242	10	03/20/24 17:20	03/21/24 09:53	EPA 3005A	1,6020B	EJF
Manganese, Total	0.1896		mg/l	0.00100	0.00044	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Mercury, Total	0.00040		mg/l	0.00020	0.00009	1	03/20/24 21:58	03/22/24 17:05	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00180	J	mg/l	0.00200	0.00055	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Potassium, Total	20.2		mg/l	0.100	0.0309	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Selenium, Total	0.00339	J	mg/l	0.00500	0.00173	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Sodium, Total	76.2		mg/l	0.100	0.0293	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00311	J	mg/l	0.00500	0.00157	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
Zinc, Total	0.00427	J	mg/l	0.01000	0.00341	1	03/20/24 17:20	03/21/24 08:59	EPA 3005A	1,6020B	EJF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.003	1		03/21/24 08:59	NA	107,-	

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01 Date Collected: 03/15/24 09:46

Client ID: PH1_MW26_031524 Date Received: 03/15/24

Sample Location: MANHATTAN, NY Field Prep: Refer to COC

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	0.00362	J	mg/l	0.0100	0.00327	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00331	J	mg/l	0.00400	0.00042	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00078		mg/l	0.00050	0.00016	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.09677		mg/l	0.00050	0.00017	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	137.		mg/l	0.100	0.0394	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00030	J	mg/l	0.00100	0.00017	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00038	J	mg/l	0.00050	0.00016	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00296		mg/l	0.00100	0.00038	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.0693		mg/l	0.0500	0.0191	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Lead, Dissolved	0.00036	J	mg/l	0.00100	0.00034	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	45.8		mg/l	0.0700	0.0242	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.1758		mg/l	0.00100	0.00044	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/20/24 00:34	03/21/24 21:38	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00155	J	mg/l	0.00200	0.00055	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	20.5		mg/l	0.100	0.0309	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	0.00293	J	mg/l	0.00500	0.00173	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	77.9		mg/l	0.100	0.0293	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	0.00258	J	mg/l	0.00500	0.00157	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	0.00376	J	mg/l	0.01000	0.00341	1	03/20/24 00:30	03/21/24 11:29	EPA 3005A	1,6020B	WKP

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

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 Batch: WG1898180-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/20/24 00:30	03/21/24 07:51	1,6020B	WKP

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): 01 Batch: WG1898181-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/20/24 00:34	03/21/24 20:10	1,7470A	GMG

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

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 Batch: WG1898669-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Chromium, Total	0.00097	J	mg/l	0.00100	0.00017	1	03/20/24 17:20	03/21/24 08:22	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/20/24 17:20	03/21/24 07:29	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1898680-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/20/24 21:58	03/22/24 16:58	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898180-2								
Aluminum, Dissolved	107		-		80-120	-		
Antimony, Dissolved	90		-		80-120	-		
Arsenic, Dissolved	105		-		80-120	-		
Barium, Dissolved	104		-		80-120	-		
Beryllium, Dissolved	102		-		80-120	-		
Cadmium, Dissolved	101		-		80-120	-		
Calcium, Dissolved	102		-		80-120	-		
Chromium, Dissolved	105		-		80-120	-		
Cobalt, Dissolved	106		-		80-120	-		
Copper, Dissolved	106		-		80-120	-		
Iron, Dissolved	106		-		80-120	-		
Lead, Dissolved	108		-		80-120	-		
Magnesium, Dissolved	106		-		80-120	-		
Manganese, Dissolved	109		-		80-120	-		
Nickel, Dissolved	104		-		80-120	-		
Potassium, Dissolved	116		-		80-120	-		
Selenium, Dissolved	102		-		80-120	-		
Silver, Dissolved	101		-		80-120	-		
Sodium, Dissolved	102		-		80-120	-		
Thallium, Dissolved	98		-		80-120	-		
Vanadium, Dissolved	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898180-2					
Zinc, Dissolved	105	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898181-2					
Mercury, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898669-2					
Aluminum, Total	88	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	91	-	80-120	-	
Cadmium, Total	97	-	80-120	-	
Calcium, Total	92	-	80-120	-	
Chromium, Total	108	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	99	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	90	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	95	-	80-120	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898669-2					
Zinc, Total	97	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1898680-2					
Mercury, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898180-11 WG1898180-12 QC Sample: L2413154-26 Client ID: MS Sample												
Aluminum, Dissolved	ND	2	2.08	104		2.12	106		75-125	2		20
Antimony, Dissolved	ND	0.5	0.4784	96		0.4858	97		75-125	2		20
Arsenic, Dissolved	ND	0.12	0.1292	108		0.1278	106		75-125	1		20
Barium, Dissolved	0.03729	2	2.165	106		2.204	108		75-125	2		20
Beryllium, Dissolved	ND	0.05	0.05201	104		0.05225	104		75-125	0		20
Cadmium, Dissolved	ND	0.053	0.05444	103		0.05532	104		75-125	2		20
Calcium, Dissolved	138.	10	147	90		144	**60**	Q	75-125	2		20
Chromium, Dissolved	ND	0.2	0.2083	104		0.2071	104		75-125	1		20
Cobalt, Dissolved	0.00128	0.5	0.5199	104		0.5168	103		75-125	1		20
Copper, Dissolved	0.00048J	0.25	0.2551	102		0.2565	103		75-125	1		20
Iron, Dissolved	ND	1	1.09	109		1.07	107		75-125	2		20
Lead, Dissolved	ND	0.53	0.5844	110		0.5885	111		75-125	1		20
Magnesium, Dissolved	57.4	10	67.6	102		67.2	98		75-125	1		20
Manganese, Dissolved	0.3064	0.5	0.8302	105		0.8411	107		75-125	1		20
Nickel, Dissolved	0.00136J	0.5	0.5190	104		0.5120	102		75-125	1		20
Potassium, Dissolved	2.03	10	13.5	115		13.5	115		75-125	0		20
Selenium, Dissolved	ND	0.12	0.121	101		0.124	103		75-125	2		20
Silver, Dissolved	ND	0.05	0.05073	101		0.05187	104		75-125	2		20
Sodium, Dissolved	84.5	10	96.1	116		95.7	112		75-125	0		20
Thallium, Dissolved	0.00034J	0.12	0.1209	101		0.1211	101		75-125	0		20
Vanadium, Dissolved	ND	0.5	0.5162	103		0.4968	99		75-125	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898180-11 WG1898180-12 QC Sample: L2413154-26 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5066	101	0.5072	101	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898180-3 WG1898180-4 QC Sample: L2413154-08 Client ID: MS Sample										
Aluminum, Dissolved	0.00348J	2	2.07	104		2.15	108	75-125	4	20
Antimony, Dissolved	ND	0.5	0.4724	94		0.4753	95	75-125	1	20
Arsenic, Dissolved	ND	0.12	0.1248	104		0.1287	107	75-125	3	20
Barium, Dissolved	0.07874	2	2.187	105		2.192	106	75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05123	102		0.05170	103	75-125	1	20
Cadmium, Dissolved	ND	0.053	0.05299	100		0.05330	100	75-125	1	20
Calcium, Dissolved	137.	10	144	**70**	Q	146	90	75-125	1	20
Chromium, Dissolved	0.00045J	0.2	0.2020	101		0.2077	104	75-125	3	20
Cobalt, Dissolved	ND	0.5	0.4994	100		0.5197	104	75-125	4	20
Copper, Dissolved	0.00069J	0.25	0.2508	100		0.2656	106	75-125	6	20
Iron, Dissolved	ND	1	1.03	103		1.04	104	75-125	1	20
Lead, Dissolved	ND	0.53	0.5775	109		0.5810	110	75-125	1	20
Magnesium, Dissolved	51.1	10	56.6	**55**	Q	59.3	82	75-125	5	20
Manganese, Dissolved	0.00157	0.5	0.5233	104		0.5369	107	75-125	3	20
Nickel, Dissolved	ND	0.5	0.5029	100		0.5249	105	75-125	4	20
Potassium, Dissolved	2.49	10	13.3	108		14.0	115	75-125	5	20
Selenium, Dissolved	ND	0.12	0.122	102		0.126	105	75-125	3	20
Silver, Dissolved	ND	0.05	0.05021	100		0.05050	101	75-125	1	20
Sodium, Dissolved	161.	10	160	**0**	Q	169	80	75-125	5	20
Thallium, Dissolved	ND	0.12	0.1170	98		0.1189	99	75-125	2	20
Vanadium, Dissolved	ND	0.5	0.5005	100		0.5046	101	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898180-3 WG1898180-4 QC Sample: L2413154-08 Client ID: MS Sample									
Zinc, Dissolved	0.00368J	0.5	0.4907	98	0.5149	103	75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898180-7 WG1898180-8 QC Sample: L2413154-14 Client ID: MS Sample											
Aluminum, Dissolved	0.00896J	2	2.14	107		2.20	110		75-125	3	20
Antimony, Dissolved	0.00051J	0.5	0.4702	94		0.4690	94		75-125	0	20
Arsenic, Dissolved	0.00073	0.12	0.1273	105		0.1256	104		75-125	1	20
Barium, Dissolved	0.03860	2	2.166	106		2.156	106		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05172	103		0.05201	104		75-125	1	20
Cadmium, Dissolved	ND	0.053	0.05465	103		0.05469	103		75-125	0	20
Calcium, Dissolved	70.4	10	75.1	**47**	Q	77.5	**71**	Q	75-125	3	20
Chromium, Dissolved	ND	0.2	0.2063	103		0.2060	103		75-125	0	20
Cobalt, Dissolved	ND	0.5	0.5150	103		0.5158	103		75-125	0	20
Copper, Dissolved	0.00175	0.25	0.2580	102		0.2589	103		75-125	0	20
Iron, Dissolved	ND	1	1.13	113		1.09	109		75-125	4	20
Lead, Dissolved	ND	0.53	0.5837	110		0.5753	108		75-125	1	20
Magnesium, Dissolved	12.7	10	23.0	103		23.0	103		75-125	0	20
Manganese, Dissolved	0.1612	0.5	0.6977	107		0.6969	107		75-125	0	20
Nickel, Dissolved	ND	0.5	0.5139	103		0.5226	104		75-125	2	20
Potassium, Dissolved	2.52	10	13.7	112		14.1	116		75-125	3	20
Selenium, Dissolved	ND	0.12	0.121	101		0.121	101		75-125	0	20
Silver, Dissolved	ND	0.05	0.05066	101		0.05061	101		75-125	0	20
Sodium, Dissolved	14.2	10	22.9	87		23.3	91		75-125	2	20
Thallium, Dissolved	ND	0.12	0.1195	100		0.1179	98		75-125	1	20
Vanadium, Dissolved	ND	0.5	0.4894	98		0.4899	98		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898180-7 WG1898180-8 QC Sample: L2413154-14 Client ID: MS Sample									
Zinc, Dissolved	0.00353J	0.5	0.5130	103	0.5194	104	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898181-3 WG1898181-4 QC Sample: L2413154-08 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00437	87	0.00489	98	75-125	11	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898181-5 WG1898181-6 QC Sample: L2413154-14 Client ID: MS Sample									
Mercury, Dissolved	0.00015J	0.005	0.00491	98	0.00492	98	75-125	0	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898181-7 WG1898181-8 QC Sample: L2413154-26 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00493	99	0.00482	96	75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898669-3 QC Sample: L2414039-02 Client ID: MS Sample										
Aluminum, Total	0.018	2	1.88	93		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.4657	93		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1724	**144**	Q	-	-	75-125	-	20
Barium, Total	0.0407	2	1.987	97		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04759	95		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05166	97		-	-	75-125	-	20
Calcium, Total	11.0	10	26.3	**153**	Q	-	-	75-125	-	20
Chromium, Total	0.0022	0.2	0.2201	109		-	-	75-125	-	20
Cobalt, Total	0.0007	0.5	0.5044	101		-	-	75-125	-	20
Copper, Total	0.0022	0.25	0.2514	100		-	-	75-125	-	20
Iron, Total	0.0406J	1	1.11	111		-	-	75-125	-	20
Lead, Total	0.00048J	0.53	0.7151	**135**	Q	-	-	75-125	-	20
Magnesium, Total	6.96	10	22.1	**151**	Q	-	-	75-125	-	20
Manganese, Total	0.1876	0.5	0.7110	105		-	-	75-125	-	20
Nickel, Total	0.0019J	0.5	0.4990	100		-	-	75-125	-	20
Potassium, Total	7.94	10	24.3	**164**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.173	**144**	Q	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04899	98		-	-	75-125	-	20
Sodium, Total	44.9	10	56.8	119		-	-	75-125	-	20
Thallium, Total	0.0004J	0.12	0.1817	**151**	Q	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5337	107		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

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 QC Batch ID: WG1898669-3 QC Sample: L2414039-02 Client ID: MS Sample									
Zinc, Total	0.0074J	0.5	0.4907	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898680-3 QC Sample: L2414266-01 Client ID: PH1_MW26_031524									
Mercury, Total	0.00040	0.005	0.00529	98	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898669-4 QC Sample: L2414039-02 Client ID: DUP Sample						
Cadmium, Total	ND	0.00006J	mg/l	NC		20
Iron, Total	0.0406J	0.0359J	mg/l	NC		20
Lead, Total	0.00048J	0.00049J	mg/l	NC		20
Manganese, Total	0.1876	0.1885	mg/l	0		20
Potassium, Total	7.94	8.17	mg/l	3		20
Sodium, Total	44.9	42.8	mg/l	5		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898680-4 QC Sample: L2414266-01 Client ID: PH1_MW26_031524						
Mercury, Total	0.00040	0.00011J	mg/l	NC		20

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2414266
Report Date: 03/28/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898180-10 QC Sample: L2413154-14 Client ID: DUP Sample						
Barium, Dissolved	0.03860	0.03932	mg/l	2		20
Calcium, Dissolved	70.4	68.2	mg/l	3		20
Magnesium, Dissolved	12.7	12.7	mg/l	0		20
Manganese, Dissolved	0.1612	0.1612	mg/l	0		20
Potassium, Dissolved	2.52	2.50	mg/l	1		20
Sodium, Dissolved	14.2	13.2	mg/l	7		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898180-14 QC Sample: L2413154-26 Client ID: DUP Sample						
Barium, Dissolved	0.03729	0.03692	mg/l	1		20
Calcium, Dissolved	138.	135.	mg/l	2		20
Magnesium, Dissolved	57.4	57.9	mg/l	1		20
Manganese, Dissolved	0.3064	0.3052	mg/l	0		20
Sodium, Dissolved	84.5	86.1	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1898180-6 QC Sample: L2413154-08 Client ID: DUP Sample						
Barium, Dissolved	0.07874	0.07635	mg/l	3		20
Calcium, Dissolved	137.	135.	mg/l	1		20
Magnesium, Dissolved	51.1	48.6	mg/l	5		20
Sodium, Dissolved	161.	159.	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

SAMPLE RESULTS

Lab ID: L2414266-01
Client ID: PH1_MW26_031524
Sample Location: MANHATTAN, NY

Date Collected: 03/15/24 09:46
Date Received: 03/15/24
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/20/24 02:35	03/20/24 13:49	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/16/24 09:15	03/16/24 09:36	1,7196A	JBB

Project Name: ONE45-PHASE 1 **Lab Number:** L2414266

Project Number: 170635402 **Report Date:** 03/28/24

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 Batch: WG1897048-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/16/24 09:15	03/16/24 09:34	1,7196A	JBB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1898275-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/20/24 02:35	03/20/24 13:28	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45-PHASE 1

Project Number: 170635402

Lab Number: L2414266

Report Date: 03/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1897048-2 WG1897048-3								
Chromium, Hexavalent	96		99		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1898275-2 WG1898275-3								
Cyanide, Total	86		91		85-115	6		20

Matrix Spike Analysis
Batch Quality Control

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Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1898275-4 WG1898275-5 QC Sample: L2414680-03 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.199	100		0.197	98		80-120	1		20

Project Name: ONE45-PHASE 1
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2414266-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2414266-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2414266-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2414266-01D	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8081(7)
L2414266-01E	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8081(7)
L2414266-01F	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2414266-01G	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2414266-01H	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2414266-01J	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2414266-01K	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2414266-01L	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2414266-01M	Plastic 250ml NaOH preserved	A	>12	>12	2.2	Y	Absent		TCN-9010(14)
L2414266-01N	Plastic 120ml unpreserved split	A	7	7	2.2	Y	Absent		ARCHIVE()
L2414266-01O	Amber 1000ml unpreserved	A	7	7	2.2	Y	Absent		HERB-APA(7)
L2414266-01P	Amber 1000ml unpreserved	A	7	7	2.2	Y	Absent		HERB-APA(7)
L2414266-01Q	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2414266-01R	Plastic 120ml unpreserved split	A	7	7	2.2	Y	Absent		HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: ONE45-PHASE 1
Project Number: 170635402

Lab Number: L2414266
Report Date: 03/28/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2414266-01S	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2414266-01T	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-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)
L2414266-01U	Plastic 500ml unpreserved	B	NA		2.1	Y	Absent		A2-1633-DRAFT(28)
L2414266-01V	Plastic 500ml unpreserved	B	NA		2.1	Y	Absent		A2-1633-DRAFT(28)
L2414266-01W	Plastic 500ml unpreserved	B	NA		2.1	Y	Absent		A2-1633-DRAFT(28)
L2414266-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2414266-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2414266-03A	Plastic 500ml unpreserved	B	NA		2.1	Y	Absent		A2-1633-DRAFT(28)
L2414266-03B	Plastic 950ml unpreserved	B	NA		2.1	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Project Name: ONE45-PHASE 1
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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/PFTeDA	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/PFDoS	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
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
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/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

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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.

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

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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 for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol 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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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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.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page of

Date Rec'd in Lab: 3/16/24

ALPHA Job #: L2414266

Client Information

Client: Langan
Address: 360 W 31st St NY, NY, 10001
Phone: (212)-479,5400
Fax:
Email: GWYKA@LANGAN.COM

Project Information

Project Name: One45 - Phase 1
Project Location: Manhattan, NY
Project #: 170635402
(Use Project name as Project #): ☐
Project Manager: Greg Wyka
ALPHAQuote #: 21538

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
P12 cc: ANESCI@LANGAN.COM
datamanagement@LANGAN.COM

Please specify Metals or TAL.

ANALYSIS

TCL VOCs, TCL SVOCs, PCBs, Pests
Herbs, Total + dissolved TAL Metals (incl. hexavalent + trivalent)
Hexavalent + Total Chromium, Trivalent Chromium (calculation)
Cyanide, PFAS + 1,4-Dioxane list
PFAS 40 comp list only
VOCs only

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCL SVOCs, PCBs, Pests	Herbs, Total + dissolved TAL Metals (incl. hexavalent + trivalent)	Hexavalent + Total Chromium, Trivalent Chromium (calculation)	Cyanide, PFAS + 1,4-Dioxane list	PFAS 40 comp list only	VOCs only	Sample Specific Comments	Total Bottle
14266-01	PH1_MW26_031524	03/15/24	0946	A	CP	X	X	X	X	X			
-02	PH1_GWTB04_031524	03/15/24	—	A	CP						X		
-03	PH1_GWFB04_031524	03/15/24	1035	A	CP					X			

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Cari Pietra	3/15/24 13:00		3/15/24 13:00
	3/15/24 17:30		3/16/24 18:30
	3/15/24		3/15 22:00
	3/16 1:40		3/16/24 0140

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

APPENDIX L

COMPLETED FISH AND WILDLIFE RESOURCES IMPACT ANALYSIS DECISION KEY

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13	2
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5.	Has the contamination gone off-site?	6	14
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14.	No Fish and Wildlife Resources Impact Analysis needed.		