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101 East 150th Street
Bronx, New York 10451
Block 2354, Lot 1

FINAL ENGINEERING REPORT

NYSDEC Site No. C203154

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

PREPARED BY:
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DECEMBER 2025

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December 15, 2025
File No. 41.0163097.00

Wendi Zheng
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street,
Long Island City, NY 11101

Re: Final Engineering Report
101 East 150th Street
Bronx, New York 10451
Block 2354 Lot 1
BCP Site No. C203154

Dear Ms. Zheng:

On behalf of the 586 River Ave., LLC (BCP Applicant/Owner), Goldberg-Zoino Associates of New York P.C. d/b/a GZA GeoEnvironmental of New York (GZA) is pleased to submit this Final Engineering Report (FER) to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) for the above-referenced property (Site) under the Brownfield Cleanup Program (BCP) Site No. C203154.

This FER was prepared in accordance with the Interim Remedial Measure (IRM) Work Plans, dated June 14, 2023, October 24, 2023, and January 30, 2024, the Remedial Action Work Plan (RAWP) dated May 21, 2025, and the NYSDEC Decision Document, dated May 28, 2025.

If you have any questions, please contact Stephen M. Kline at (646) 929-8905.

Very truly yours,

GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill P. Maniquez, CHMM
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Andre Obligado – NYSDEC
Jane O'Connell – NYSDEC
Justin Deming – NYSDOH
Kari Pollard – NYSDOH

CERTIFICATIONS

I, Stephen M. Kline, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Interim Remedial Measure (IRM) Work Plans, dated June 14, 2023, October 24, 2023, and January 30, 2024, Remedial Action Work Plan (RAWP) dated May 21 2025, were implemented and that all construction activities were completed in substantial conformance with the Department-approved IRM Workplans and the RAWP.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the IRM Work Plans and the RAWP and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan (SMP) has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the Division of Environmental Remediation's (DER) electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Stephen M. Kline, of GZA GeoEnvironmental of New York, am certifying as Owner's Designated Site Representative and I have been authorized and designated by all site owners to sign this certification for the site.

Stephen M. Kline
NYS Professional Engineer #080431

December 15, 2025
Date

Signature

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AGV	Air Guidance Values
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
AWQS	Ambient Water Quality Standards
BCA	Brownfield Clean-up Agreement
Bgs	Below Ground Surface
BOA	Brownfield Opportunity Area
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CAMP	Community Air Monitoring Plan
CHASP	Construction Health and Safety Plan
COC	Certificate of Completion
COPC	Constituent of Potential Concern
Con Edison	Consolidated Edison Company of New York, Inc.
CSOP	Contractors Site Operation Plan
CY	Cubic Yards
DCR	Declaration of Covenants and Restrictions
DER	Division of Environmental Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
ECs/ICs	Engineering Controls and Institutional Controls
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
EWP	Excavation Work Plan
FER	Final Engineering Report
ft	Feet
ft^2	Square Feet
GC	General Contractor
GPS	Global Positioning System
GZA	GZA GeoEnvironmental of New York
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
ISMP	Interim Site Management Plan
LNAPL	Light Non-Aqueous Phase Liquid
NOC	Notice of Completion
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance
NYCHA	New York City Housing Authority
NYC OER	New York City Office of Environmental Remediation
NYCRR	New York Codes Rules and Regulations
NYS DEC	New York State Department of Environmental Conservation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
NYS ELAP	Environmental Laboratory Accreditation Program

Acronym	Definition
OSHA	United States Occupational Health and Safety Administration
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbon
PBS	Petroleum Bulk Storage
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PE	Professional Engineer
PID	Photo Ionization Detector
PPE	Personal Protective Equipment
PPM	Parts Per Million
QA/QC	Quality Assurance/ Quality Control
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAWP	Remedial Action Work Plan
RECs	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RMZ	Residual Management Zone
Sanborn	Sanborn Fire Insurance Map
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria, and Guidance
SMP	Site Management Plan
SHWS	Solid Hazardous Waste Site
SMMP	Soils / Materials Management Plan
Sq. ft.	Square Feet
SVI	Soil Vapor Intrusion (Guideline)
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethene
TOGS	Technical and Operational Guidance Series
ug/kg	Micrograms per kilogram
ug/L	Micrograms per liter
ug/m^3	Micrograms per cubic meter
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

586 River Ave., LLC (Owner/Participant) entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in June 2023 under BCP Site No. C203154, to investigate and remediate a 2.27-acre property located at 101 East 150th Street, in the Lower Concourse neighborhood of Bronx, New York (Site). The Site was remediated to Track 4: Restricted Residential remedy and will be used as a public charter school by Success Academy Charter Schools.

1.1 SITE LOCATION AND DESCRIPTION

The Site is located at 101 East 150th Street, in the Lower Concourse neighborhood of Bronx County, New York and is identified Block 2354, Lot 1 on the New York City (NYC) Tax Map. The Site is situated on an approximately 2.27-acre (98,881-square feet [SF]) area and is bound to the north by a commercial parking lot, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The Site location is shown on **Figure 1**. A Site Plan with the BCP Boundary is included on **Figure 2.** The boundaries of the Site are fully described in **Appendix A** – **Environmental Easement** (including the Survey Map and Metes & Bounds description), which was recorded on October 8, 2025.

1.2 SITE HISTORY

Records from 1891 through the early-1900s, show the Site as athletic fields. By the late-1900s, the Site was used as a lumber storage yard. From the early 1930s until 1950, the Site was used as an athletic field / recreational facility with a club house. In 1952, the 2-story building with a cellar that formerly occupied the southern portion of the Site, before its demolition, was constructed. The rest of the property was used as athletic fields and then later converted into a parking area for the building. The building was first used by a shoe factory (National Shoes) as office and warehouse (from ca 1952 to 1981) and then as an electronic parts manufacturer (Welbilt Electronic Die Corp/Wedtech, from ca 1984 to ca 1990s). By 2001, the property was foreclosed, and ownership was transferred to Marty and Dorothy Silverman Foundation, and eventually donated to the St. Luke's – Roosevelt Hospital Center. The property was then sold to Gerard Avenue LLC, which began converting it to a self-storage facility (American Storage).

In 2003, the NYC Department of Buildings (DOB) granted a change of use of the building's cellar and ground floor from electronic part manufacturing to commercial self-storage use; and the change of use of second floor of the property from office spaces to classrooms and instructional spaces. In 2019, the Site was sold to 580 Gerard LLC (Treasure Island Storage), which continued the self-storage and school operations at the property. The northern portion of the Site was used for parking. The Participant purchased the Site from 580 Gerard LLC on December 29, 2021 (ACRIS document ID 2022011200728001). Neither the Participant, nor Success Academy Charter Schools (which is the only member of the Participant limited liability company), is owned by or in any way affiliated with any of the prior owners or operators of the Site. No previous remedial activities have been implemented at the Site.

1.3 SITE REDEVELOPMENT

The Site is located in the Bronx Community District (CD) 4 in an area zoned for light manufacturing (M1-2) and commercial (C2-4 and C4-4) use. A school is a permitted use in this zoning district by special permit granted by the

NYC Board of Standards and Appeals (BSA) under a special permit dated, March 13, 2023. The redevelopment would not alter the Project Site's existing M1-2 zoning designation.

The Participant demolished the previous building and constructed a new, 304,711 gross SF, six-story school building with a cellar. The cellar will contain a gym for indoor soccer, a theater, auditorium, dance studios, storage, and mechanical spaces. The ground floor will contain a lobby with vestibules, multipurpose rooms, offices, support rooms, classrooms, lecture halls, and a basketball gym. The second floor will contain classrooms, a cafeteria, conference rooms, and multi-purpose rooms. The third and fourth floors will contain science laboratories, additional classrooms, multi-purpose rooms, and workspaces. The fifth floor will contain another cafeteria, and classrooms, a dance and art studio as well as two outdoor terrace spaces. The sixth floor will contain the infirmary / nurses' suite, classrooms, and storage areas. The redevelopment plan incorporated engineering controls including a composite cover system, a sub-slab depressurization system (SSDS) and a soil vapor extraction (SVE) system.

The new school building is now in place with work over the next coming months focusing largely on interior fit out and façade. The school is scheduled to receive its temporary certificate of occupancy in March 2026, open for staff in May 2026, begin instruction of students in August 2026.

1.4 DESCRIPTION OF THE SURROUNDING PROPERTIES

Records from as early as 1891 show the areas to the north, south, and east of the Site as vacant. The area to the west is shown with several 1-story buildings including a dwelling and a stable. By the late 1900s, the area to the north was developed with a 2-story dwelling with sheds, to the west with 1- to 3-story buildings used as a lumber yard, toy, and refrigerator factory with coal storage. The areas to the east and south of the Site were vacant. By the early 1930s until the early 2000s, the area to the west of the Site was developed with rows of canopies that were later converted to one large building then into three large buildings identified as the Bronx Terminal Market (BTM). Between 2004 until 2006, a remedial investigation was performed at the property west of the Site that revealed soil contamination impacted by petroleum-related volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and pesticides; groundwater impacted by methylene chloride, 2-butanone (MEK), benzene, toluene, ethylbenzene, styrene, xylenes, vinyl chloride, phenol, 2 4-dimethylphenol and naphthalene, lead, cadmium, PCBs and pesticides; and soil vapor with elevated concentrations of methane, tetrachloroethene (PCE), and 1,1,1-trichloroethene. The property entered the BCP under Site No. C203015. By February 2007, the buildings were demolished, and the property was redeveloped into the Gateway Center at the BTM. The redevelopment included four primary engineering controls (ECs) to address the contaminants found in the groundwater, soils, and soil vapor: 1) a composite cover consisting of concrete slabs, asphalt covered roads, one foot of clean soil cover, and concrete covered sidewalks; 2)positive pressure HVAC system in one retail building; 3) vapor barriers underneath retail buildings; and 4) sub-slab depressurization systems underneath the retail buildings. An institutional control (IC) in the form of an Environmental Easement (EE) was placed on the property west of the Site on April 23, 2009. Since then, that property has operated under a Site Management Plan. A Periodic Review Report (PRR) dated July 16, 2024, for the property noted that the ECs were intact and were not disturbed or modified, and that the property continues to be operated with the vapor barriers, SSDS and positive pressure HVAC systems in the retail buildings, as designed.

By the early 1950s until late 2000, the area immediately east and upgradient of the Site (580 Gerard Avenue) was developed with three contiguous 1-story buildings labeled as "US Post Office Vehicle Maintenance Facility" and "plumbing supplies," and an auto repair shop. On January 8, 2021, the adjacent 580 Gerard Avenue property entered the BCP under Site No. C203142. A file review of the BCP reports document petroleum-related

contamination of the soil, groundwater, and soil vapor at 580 Gerard Avenue. A Final Engineering Report and Site Management Plan was issued for the property in December 2024.

The surrounding properties were assessed by GZA during a Phase I Environmental Site Assessment and during subsequent investigation events. At the present time, the surrounding properties remain mostly commercial and industrial/manufacturing, with some active construction sites, several 1- to 2-story warehouse buildings, 3- to 4-story shopping complexes, parking facilities, and some 3-story residential row houses further east of the Site. A map showing the surrounding properties is included on **Figure 3**.

Table A – Surrounding Properties

Direction	Street Address / Block and Lot	Property Description	Property Use / Name
North	No address/Block 2354 Lot 20	Asphalt-paved parking Lot	Parking Facility / Quick Park 151st Street South Lot.
West (across River Avenue)	610 Exterior St. / Block 2357 Lot 35	Three 4-story buildings and parking garage	Commercial Shopping Center, Office, and Parking Garage / Bronx Terminal Market
Southwest (across River Avenue)	590 Exterior St./ Block 2356 Lot 25	1-story building	Commercial & Office Building / Universal Hip Hop Museum (Under Construction)
South	585 Gerard Avenue/ Block 2352 Lot 15	2-story warehouse building	Industrial & manufacturing / GAL Manufacturing
East	586 and 620 Gerard Avenue	9-story mixed use residential commercial building / 1-story warehouse buildings	SB Gerard Avenue LLC residential building / Parking facilities & garage

1.5 SITE ENVIRONMENTAL HISTORY

Several remedial investigations were performed to evaluate Site data and information necessary to develop the IRM Work Plans and the RAWP in a manner that will render the Site protective of public health and the environment during construction and renders the Site consistent with the contemplated end use. RI activities included the following scope of work: (i) delineation of the horizontal and vertical extent of impacted soils, groundwater, and soil vapor on Site; (ii) assessment of the potential fate and transport of contaminants; and (iii) data collection to allow for evaluation of potential remedial alternatives for exposure mitigation.

1.5.1 Summary of Remedial Investigations

After acquisition of the property in December 2021, the BCP Participant proceeded to undertake reasonable and practical actions to further evaluate the Site contamination. GZA performed the RI based on a Remedial Investigation Work Plan (RIWP) and Quality Assurance Project Plan (QAPP), dated May 2022. In August 2022, GZA met with representatives of the NYSDEC to discuss the scope of the remedial investigation. The RI was performed as part of the BCP Application process, the Participant submitted a Draft Remedial Investigation Report, to summarize the results. On November 4, 2022, a Draft 2022 RIR was submitted to NYSDEC and NYSDOH. On March 15, 2023, NYSDOH deemed that the Site represented a significant threat to public health.

On March 30, 2023, prior to entry into the BCP program GZA submitted a Supplement Soil Vapor Intrusion Work Plan while the building at the southern portion of the Site was still in operation. In April 2023, at the request of the NYSDEC, GZA performed supplemental indoor air and ambient air sampling to document the indoor air quality the occupants of the former second-floor school may be exposed to. GZA submitted the sample results to NYSDEC

and NYSDOH. The results indicated that none of the indoor air sample results exceeded NYSDOH Air Guidance Values. Neither NYSDEC nor NYSDOH recommended any change in the operation of the school at the premises.

On October 2, 2023, GZA submitted a Supplemental Off-site Remedial Investigation Work Plan (Off-site SRIWP) to provide additional groundwater and soil vapor data to delineate the extent of contaminant concentrations in areas directly upgradient (i.e., from 580 Gerard Avenue) and downgradient (i.e., along River Avenue towards the Gateway Center, Bronx Terminal Market) of observed impacts on the Site. The NYSDEC approved the Off-site SRIWP on October 10, 2023.

On April 18, 2024, GZA submitted an Additional Off-Site Groundwater and Soil Vapor Delineation Work Plan (Off-site RI/SVE Pilot WP). The objective of this RI/SVE Pilot WP is to provide supplemental groundwater and soil vapor data to evaluate the extent of elevated concentrations of chlorinated VOCs that were initially identified in the Off-site SRI conducted in October 2023. The Off-site RI/SVE Pilot WP included the installation of a permanent downgradient well and soil vapor monitoring point located across River Avenue adjacent to the Gateway Center, Bronx Terminal Market. The NYSDEC approved the RI/SVE Pilot WP on April 25, 2024.

1.5.2 Significant Threat

In a letter to NYSDEC on March 15, 2023, the NYSDOH determined that the Site represents a significant threat to public health based on the available information and the potential exposures to site-related contamination both on- and off-site.

1.5.3 Conceptual Model of Site Contamination

The Site has been developed since at least 1891 when it was used as athletic fields and lumber yards. By the 1950s the existing building in the south area of the Site was constructed. It was used as a shoe factory, while the rest of the property was used as a parking lot. By the 1980s, the building was sold and used by a company manufacturing electronic parts. By 2000, the property was transferred to a non-profit foundation which later sold it to a private company. The building was then converted into a commercial self-storage use in the basement and ground floor, while the upper floor was converted to a school. Operations involving manufacturing shoes and electronic parts typically utilize chemical agents, petroleum and/or hazardous materials, the discharge of which may have adversely impacted the environmental quality of the property. Therefore, the historical use of the Site as a manufacturing facility represented a Recognized Environmental Condition (REC).

The Site soil showed constituents of potential concern (COPCs) such as SVOCs, metals, and chlorinated solvents, which were mainly observed in the shallow soil and petroleum hydrocarbon exceedance observed at the groundwater interface and mainly located at the middle of the Site.

The Site groundwater showed COPCs such as SVOCs, and metals. The SVOCs and metals were observed in the groundwater at relatively low levels which may be associated with the presence of historic fill material on site.

The Site soil vapor and indoor air showed levels of contamination of some chlorinated solvents. These CPOCs in soil vapor are likely sourced from the residual shallow soil contamination or from an off-site groundwater source load with soil vapors migrating through the unsaturated soils.

1.5.4 Potential Sources of Constituent of Potential Concern

Soil

Constituents of potential concern identified in Site shallow soils above Unrestricted Use SCOs (UUSCOs) include:

- VOCs
  - Petroleum-related volatile organic compounds (VOCs) - xylene, naphthalene, n-butylbenzene and 1,2,4-trimethylbenzene
  - Chlorinated VOCs – tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2- dichloroethene (DCE), 1,1-dichloroethane (DCA), and trans-1,2-DCE
  - Acetone
  -
- SVOCs
  - Polycyclic hydrocarbons (PAHs) - benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo (a, h) anthracene and indeno(1,2,3-cd) pyrene
  -
- Metals
  - copper, lead, mercury, and zinc
  -
- Pesticides
  - 4,4'-DDE and 4,4'-DDT
  -
- Per- and Polyfluoroalkyl Substances (PFAS)
  - Perfluorooctane sulfonic acid (PFOS)

Constituents of potential concern identified in Site shallow soils above the Restricted Residential SCOs (RRSCOs) include:

- VOCs:
  - Petroleum-related VOCs - 1,2,4-trimethylbenzene
  - Chlorinated VOCs – PCE and TCE
- SVOCs:
  - PAHs - benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo (a, h) anthracene, and indeno(1,2,3-cd) pyrene
- Metals
  - Lead, mercury

Groundwater

Constituents of potential concern identified in on-site groundwater were compared to New York State Class GA standards and guidance values listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 ("Class GA Values") Ambient Water Quality Standards (AWQS). Per- and Polyfluoroalkyl Substances (PFAS) results were compared to Guidance for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs April 2023.include:

- VOCs
  - Petroleum-related VOCs - 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzne, 1,3,5, trimethylbenzene, acrylonitrile, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p/m-xylene, p-isopropyltoluene, and sec-butylbenzene.

  - Chlorinated VOCs - 1,1,1- TCA, 1,1-DCA, cis-1,2-DCE, and TCE
- SVOCs
  - PAHs - benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd) pyrene), and phenol
- Metals
  - iron, magnesium, manganese, and sodium
- Pesticide
  - Dieldrin
- PFAS
  - Perfluoro butane sulfonic acid (PFBS), - Perfluoro octanoic acid (PFOA), and PFOS

Soil Vapor
Constituents of potential concern identified in on-site soil vapor include:
- VOCs
  - PCE, TCE, 1,1,1-TCA, cis-1,1-DCE, carbon tetrachloride, cis 1,2-DCE, and vinyl chloride

Indoor Air / Ambient Air
Constituents of potential concern identified in indoor air (prior to the demolition of the former building):
- VOCs - PCE.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation and in accordance with the May 2025 Decision Document, the following Remedial Action Objectives (RAOs) have been identified for this Site.

2.1.1 Soil RAOs

RAOs for Public Health Protection
- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.2 Groundwater RAOs

RAO for Public Health Protection
- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal / pre-release conditions to the extent practicable.
- Remove the source of ground or surface contamination.

2.1.3 Soil Vapor RAO

RAO for Public Health Protection

- Mitigate impacts to public health resulting from existing, or potential for, soil vapor intrusion into buildings at the Site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was remediated in accordance with the remedy selected by NYSDEC in the IRM Work Plans, dated June 14, 2023, Supplemental IRM Work Plan, dated October 23, 2023, and Southern IRM (SIRM) Work Plan, dated January 30, 2024, and the RAWP, dated May 21, 2025, and the NYSDEC Decision Document, dated May 28, 2025.

The selected remedy is a **Track 4: Restricted Residential Remedy**. The selected remedy is referred to as the Excavation, Soil Vapor Extraction, Vapor Mitigation and Cover System with Site Management remedy.

The following actions were completed as an IRM prior to implementing the selected remedy.

Interim Remedial Measures (IRM)

Source Area removal, documentation, and reporting during a program of three phased IRMs. The major components of the IRMs are as follows:

- The Remedial Excavation was performed at proposed limits of excavation:
  - Remedial excavation down to 2 feet below ground surface (ft bgs) across the entire lot.
  - Supplemental Remedial Excavation areas down to between 5 ft bgs and 7 ft bgs where Chlorinated VOCs were identified during the RI above Protection of Groundwater SCOs (PGSCOs) within the redevelopment excavations.
  - Supplemental Remedial Excavation down to 10 ft bgs where petroleum-related VOCs were identified during RI above PGSCOs.
- Documentation endpoint samples were collected as follows:
  - For remedial excavations confirmatory endpoint samples were collected at a frequency of one sample per 2,500 SF of excavation bottom beneath the 2-foot deep, site-wide remedial excavation area.
  - In the supplemental remedial excavation areas where chlorinated VOCs were a contaminant of concern, endpoint documentation samples were collected at the bottom of the excavation at a frequency of one sample per every 900 SF and sidewall samples at a frequency of one every 30 linear feet of sidewall (with a minimum of one sample per sidewall).
  - In the supplemental remedial excavation areas where petroleum-related VOCs were a contaminant of concern, endpoint documentation samples were collected at the bottom of the excavation at a frequency of one sample per every 900 SF and sidewall samples at a

frequency of one sample every 30 linear feet of sidewall (with a minimum of one sample per sidewall).

- Transported and disposed Site soils at permitted facilities in accordance with applicable state and federal requirements for handling, transport, and disposal. From August 1, 2023, until May 13, 2024, a total of 630 truckloads (or 17,737.54 tons or 11,825.03 cubic yards [CY]) of material were removed from the Site and transported to PPark of Prospect Park, NJ, Clean Earth of Carteret, NJ, and Clean Earth of North Jersey, NJ.
- Imported clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) for ancillary backfilling where necessary and establish the designed grades at the Site. A total of 520 truckloads of gravel, crushed quarry stone, pipe sand, virgin material, gas permeable aggregates were imported from Stavola Construction Materials, NJ, Tilcon, New York, Weeks Marine Inc., NJ, ECM Wantage Stone Quarry, NJ, PPark of Prospect Park, NJ, Alloco Recycling, and Faztec Industries.
- Dewatering was performed under sewer discharge permits approved by the New York City Department of Environmental Protection (NYCDEP). A total of 2,116,828 gallons of water were discharged to the sewer line along River Avenue under NYCDEP Permit No. C002407284 and 4,127,342 gallons of water were discharged to the sewer line along Gerard Avenue under NYCDEP Permit No. C002746487.
- Implemented remedy to the source area soil contamination not excavated below the water table by the application of *in-situ* groundwater treatment (i.e., direct application of RegenOx®) prior to backfilling. A total of 3,600 pounds (lbs.) of Part A and 3,600 lbs. of Part B of RegenOx® in four areas excavated to the water table.

In accordance with the RAWP and the NYSDEC Decision Document, additional elements of the remedy were implemented as follows:

1. <u>Remedial Design</u>

   A remedial program was implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques were implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

   - Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
   - Reducing direct and indirect greenhouse gases and other emissions;
   - Increasing energy efficiency and minimizing use of non-renewable energy;
   - Conserving and efficiently managing resources and materials;
   - Reducing waste, increasing recycling, and increasing reuse of materials which would otherwise be considered a waste;
   - Maximizing habitat value and creating habitat when possible;
   - Fostering green and healthy communities and working landscapes which balance ecological, economic, and social goals;
   - Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and

- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

As part of the remedial program, to evaluate the remedy with respect to green and sustainable remediation principles, an environmental footprint analysis was completed. The environmental footprint analysis was completed using an accepted environmental footprint analysis calculator such as SEFA (Spreadsheets for Environmental Footprint Analysis, USEPA), SiteWise(TM) (available in the Sustainable Remediation Forum [SURF] library) or similar Department accepted tool. Water consumption, greenhouse gas emissions, renewable and nonrenewable energy use, waste reduction and material use will be estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, was incorporated into the remedial program, as appropriate. The project included detailed requirements to achieve the green and sustainable remediation goals. Further, progress with respect to green and sustainable remediation metrics were tracked during implementation of the remedial action and reported in this Final Engineering Report (FER), including a comparison to the goals established during the remedial program.

Additionally, the remedial program included a climate change vulnerability assessment, which evaluated the impact of climate change on the project site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress, and drought), flooding, and sea level rise were identified, and the remedial program incorporated measures to minimize the impact of climate change on potential identified vulnerabilities.

2. Cover System

A site cover will be required in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs), to allow for future restricted residential use of the site. Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Cover system components include, but are not necessarily limited to: pavement, concrete, sidewalks, building foundations, and building slabs.

3. Soil Vapor Extraction (SVE) System

The SVE System was installed at the Site to remove VOC vapors from the subsurface and prevent off-site migration of contaminated vapor. VOCs will be physically removed from the subsurface by applying a vacuum to wells that have been installed into the vadose zone (the area below the ground but above the water table). The vacuum draws air through the soil matrix which carries the VOC vapors from the soil to the SVE well. The air extracted from the SVE wells is then treated as necessary prior to being discharged to the atmosphere.

SVE wells were installed at the northwestern boundary of the Site and into the vadose zone, with perforated PVC pipes approximately screened from 3 to 10 ft bgs. The air containing VOCs extracted from the SVE wells will be treated by passing the air stream through activated carbon, which removes the VOCs from the air prior to it being discharged to the atmosphere.

During the system startup, SVE wells were tested to confirm vacuum influence and effectiveness of the system. Vacuum monitoring points were installed near the Site's northwestern boundary to evaluate SVE effectiveness at preventing off-site migration of contaminated vapors.

4. Vapor Mitigation

Installed an active Sub-Slab Depressurization System (SSDS) for the mitigation of soil vapors into the building from the subsurface. The active SSDS will act as an engineering control for use directly after development. A chemical vapor barrier was installed under the building footprint to reduce potential soil vapor migration into the building and make the active SSDS more efficient. The installed vapor barrier consists of a 46-mil GCP Preprufe® 300R sheet membrane adhered to the slab under the full building area with compatible vertical sheet membranes applied to the outsides all sub-grade foundation sidewalls.

5. Institutional Control

An institutional control in the form of an Environmental Easement (i.e., recorded on October 8, 2025, and notification to NYC City Clerk was provided October 29, 2025) was imposed for this controlled property which will:

- require the remedial party or site owner to complete and submit to NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for Restricted Residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYC; and
- require compliance with the NYSDEC approved Site Management Plan (SMP).

6. Site Management Plan

The SMP for long term management of residual contamination is required by the Environmental Easement. The SMP includes the following:

- An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:
  - Institutional Controls: Environmental Easement.
  - Engineering Controls: The Cover System, Soil Vapor Extraction, and Vapor Mitigation.

- The SMP includes included the following elements:
  - an Excavation Work Plan (EWP) which details the provisions for management of future excavations in areas of remaining contamination;
  - description of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
  - a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable SCOs;
  - provisions for the management and inspection of the identified engineering controls;

- maintaining site access controls and NYSDEC notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

- A Monitoring Plan was also included in the SMP to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
  - monitoring of groundwater and soil vapor to assess the performance and effectiveness of the remedy; if necessary, additional groundwater treatment may be implemented; and
  - a schedule of monitoring and frequency of submittals to the NYSDEC.

- An Operation and Maintenance (O&M) Plan was also included in the SMP to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
  - procedures for operating and maintaining the remedy;
  - compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
  - maintaining site access controls and NYSDEC notification; and providing NYSDEC access to the site and O&M records.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS, AND REMEDIAL CONTRACTS

Based on the conditions documented during the RI, the IRMS for this Site were performed between July 2023 and December 2024. The Site was remediated in accordance with the remedy approved by NYSDEC in the IRM Work Plans, dated June 14, 2023, and approved by NYSDEC on June 28, 2023; Supplemental IRM Work Plan, dated October 23, 2023, and approved by NYSDEC on November 9, 2023; and Southern IRM (SIRM) Work Plan, dated January 30, 2024, and approved by NYSDEC on February 28, 2024. The NYSDEC approval of the IRM Work Plans are included in **Appendix B**.

3.1 INTERIM REMEDIAL MEASURE, JUNE 14, 2023

Implementation of the IRM began in July 2023 and remedial excavation of the northern portion of the Site continued until November 3, 2023. The former Site building was vacated and demolished by December 2023. The IRM focused on the excavation and Groundwater Treatment for the Northern Portion of the Site.

The June 2023 IRM consisted of the following:

1. The existing on-site buildings have been demolished; parking lot cap was removed and materials, which could not be beneficially reused on site, were taken off-site for proper disposal;
2. Hotspot removal in the northern areas of the site with chlorinated and petroleum impacts that exceeded Protection of Groundwater SCOs (PGSCOs) were excavated to approximately 5 and 10 ft bgs;
3. In-situ groundwater treatment by direct application of RegenOx® in hotspot areas;
4. Soils in the upper two feet of the northern portion of the site which exceed the Restricted Residential SCOs (RRSCOs) were excavated and transported off-site for disposal;
5. Excavation and removal of any underground storage tanks (USTs), fuel dispensers, underground piping, or other structures associated with a source of contamination (none encountered); and
6. Import of clean material that meets the lower of the PGSCOs or RRSCOs for use as backfill.

3.2 SUPPLEMENTAL INTERIM REMEDIAL MEASURE, OCTOBER 2023

GZA developed the Supplemental IRM Work Plan (SIRM) to provide details on additional remedial activities implemented during the construction of the new building foundation in the northern IRM work area. The IRM focused for the SIRM approval was additional groundwater treatment, SSDS installation, and cover system installation for the Northern Portion of the Site.

The October 2023 SIRM consisted of the following:

1. Additional in-situ groundwater treatment by direct application of RegenOx® in hotspot areas for chlorinated and petroleum VOCs in northern portion of site;
2. Installation of SSDS components in the northern portion; and
3. Installation of a cover system consisting of the building structures.

3.3 SOUTHERN SUPPLEMENTAL INTERIM REMEDIAL MEASURE, JANUARY 2024

On January 30, 2024, GZA developed a Southern SIRM Work Plan that continued the remedial activities at the southern portion of the Site, following the demolition of the old building. The IRM focused for the Southern SIRM approval detailed excavation and groundwater treatment, SSDS installation, and cover system installation for the Southern Portion of the Site.

The January 2024 Southern SIRM consisted of the following:

1. Hotspot removal was performed in the southern areas where chlorinated impacts were identified that exceeded PGSCOs to approximately 5 and 7 ft bgs;
2. In-situ groundwater treatment was performed by direct application of RegenOx® in hotspot areas;
3. Soils in the upper two feet of the site which exceed the RRSCOs were excavated and transported off-site for disposal;
4. Any USTs, fuel dispensers, underground piping, or other structures associated with a source of contamination were removed and transported off-site for disposal (none encountered);
5. SSDS components were installed;
6. Clean material that meets the lower of the PGSCOs or RRSCOs was imported for use as backfill; and
7. A cover system consisting of the building structures was installed.

The excavation and transport of materials continued until May 2024, and IRM Implementation continued until September 2024. Please note that during the demolition of the former building, the 10,000-gallon aboveground storage tank (AST) was encountered within a tank vault at the southeastern corner of the basement of the former Site building. The AST was registered as Tank 001 under NYSDEC Petroleum Bilk Storage (PBS) Site No. 2-609485 for the previous tenant American Self-Storage. This AST was removed in November 2023 (see **Section 4.3.1**).

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP), dated May 2025. Remedial activities were completed on September 23, 2025 with the installation and start-up testing of the engineering controls. On December 3, 2025, the SSDS and SVE system were turned on for continuous operation. The NYSDEC approval of the RAWP and the Decision Document is included in **Appendix B**. All deviations from the RAWP are noted in **Section 6.0**, below.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan

All remedial work performed was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA).

A site-specific Construction Health and Safety Plan (CHASP) dated January 2023, and updated November 2024, was developed for all remedial and intrusive work performed at the Site. The CHASP is included as Appendix C in the NYSDEC-approved IRM Work Plans and Appendix H in the NYSDEC-approved RAWP.

4.1.2 Quality Assurance Project Plan

The Quality Assurance Project Plan (QAPP) was included as Appendix D of the NYSDEC-approved IRM Work Plans and Appendix I of the NYSDEC-approved RAWP. The QAPP describes the specific policies, objectives, organization, functional activities, and quality assurance/ quality control (QA/QC) activities designed to achieve the project data quality objectives.

4.1.3 Stormwater Pollution Prevention Plan (SWPPP)

The Stormwater Pollution Prevention Plan (SWPPP) was prepared in accordance with the New York City Department of Environmental Protection (NYCDEP) Unified Stormwater Rule (UWSR) and New York City Stormwater Manual, development projects that disturb more than 20,000 SF in area must obtain a Stormwater Construction Permit. Projects must obtain both a Sewer Connection Permit and a Stormwater Construction Permit. In order to obtain a Stormwater Construction Permit, the SWPPP was submitted to DEP Bureau of Environmental Planning (BEPA); and the Sewer Connection Permit is submitted to DEP Bureau of Water and Sewer Operations (BWSO).The project site is located in an area served by combined sewers (CSS). The SWPPP detailed the erosion and sediment controls, construction phasing and sequencing, pollution prevention and good housekeeping practices, including regular site inspections, implemented at the Site. The NYCDEP-approved Stormwater Construction Permit is included in **Appendix C**.

4.1.4 Construction Quality Assurance Plan (CQAP)

The Construction Quality Assurance Plan(s) (CQAPs) managed performance of the IRM and RAWP tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The CQAP provided a detailed description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications

4.1.5 Soil/Materials Management Plan (SMMP)

A Soil/Materials Management Plan (SMMP) was included in the NYSDEC-approved May 2025 RAWP which detailed the procedures that were implemented during excavation, handling, storage, transport, and disposal of soil/materials that were disturbed/excavated at the Site. The SMMP included the controls that were applied to these efforts in compliance with applicable Federal, State, and local laws and regulations.

4.1.6 Community Air Monitoring Plan (CAMP)

The Community Air Monitoring Plan (CAMP), included as Attachment M of the May 2025 RAWP, was developed in accordance with the requirements of the NYSDEC DER-10 and the NYSDOH Generic CAMP to prevent off-site receptors, including neighboring residences and businesses, from potential airborne contaminant releases during the intrusive field activities.

Continuous real time air monitoring for VOCs and particulate matter smaller than 10 microns in diameter (PM-10) was performed daily designated work area during ground-intrusive activities. Ground intrusive activities included, but were not limited to, soil/waste excavation and handling, text pit excavation, or trenching, and load out of regulated and non-regulated soils. Each monitoring station was equipped with a MiniRae 3000 PID (or similar) for monitoring VOCs and a TSI DustTrak aerosol monitor for measuring PM10. A portable PID was used to monitor the work zone, and the site perimeter was visually monitored for fugitive dust emissions.

Action levels used for PM10, and VOCs were established in the CAMP. The action level for particulates was set at 150 micrograms per cubic meter (ug/m3) above background for a 15-minute average. The alert level (to assess perimeter site conditions and apply dust suppression as necessary) for particulates was set at 25 parts per million (ppm) for instantaneous readings above background and 5 ppm above background for a 15-minute average. Fifteen-minute running averages were calculated from the data recorded and were compared to the action levels specified in the CAMP.

Field personnel observed ambient air conditions to check for visible dust emissions and odors and monitored CAMP station measurements; if dust emissions, odors, or action level exceedances were observed, mitigation measures were implemented. Preventative measures for dust generation included wetting surficial soil and surrounding work areas. Instances when 15-minute-average concentrations of VOCs and/or PM10 exceeded their respective action levels were included in the daily reports (included in **Appendix F**).

4.1.7 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed plans and submittals for this remedial project (i.e., those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the NYSDEC-approved IRMs and RAWP. The remedial documents were submitted to NYSDEC and NYSDOH promptly and prior to the start of work.

4.1.8 Community Participation Plan

The Community Participation Plan (formerly Citizen Participation Plan [CPP]) dated February 2023, was included as Attachment N of the NYSDEC -approved May 2025 RAWP. The CPP allows transparency to remediation projects by providing the public with information on the proposed plans and an outlet to voice concerns to limit the impact a remediation project may have on the surrounding community. The CPP established a protocol for citizen

participation, including creating a document repository to contain a copy of all applicable project documents. Document repositories for this project were established at the following locations:

- **New York Public Library – Woodstock Library**
  761 East 160th Street,
  Bronx, NY 10451
  Phone: 718-792-6744

- **Bronx Community District 4**
  1650 Selwyn Avenue, Suite 11A
  Bronx, NY 10457
  Phone: 718-299-0800

- **New York State Department of Environmental Conservation**
  DEC Info Locator
  https://extapps.dec.ny.gov/data/DecDocs/C203154/

A certification of mailing was sent by the Participant to the NYSDEC project manager following the distribution of fact sheets and notices that included: (1) certification that the fact sheets were mailed, (2) the date they were mailed, (3) a copy of the fact sheet, (4) a list of recipients (contact list), and (5) a statement that the repositories contained all of the applicable project documents. Additional fact sheets will be distributed to announce (1) the completion of the Remedial Action with a summary of this FER, and (2) the issuance of the Certificate of Completion (COC) for the Site

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

The following list provides a summary of key project personnel, contractors, subcontractors, and their associated responsibilities.

Contractor/Consultant Name	**Responsibility**
586 River Ave. LLC Richard Gladstone	Owner / Participant
Bryan Cave Leighton Paisner Phil Karmel	Legal Counsel
Skidmore, Owings & Merrill (SOM) Kirsten Youngren	Architect
GZA GeoEnvironmental of NY Stephen M. Kline, P.E.	Engineer of Record
GZA GeoEnvironmental of NY Reinbill Maniquez, CHMM	Remedial Action Senior Project Manager
DeMatteis Construction (DEM) Matthew Graziano, Site Superintendent Tim Murphy, Site Safety Officer	General Contractor
Phil Habib & Associates	Civil Engineer / CEQR Consultant

Contractor/Consultant Name	Responsibility
LERA Consulting Eddy Roberts	Structural Engineering
Meuser Rutledge Consulting Engineers (MRCE)	Geotechnical Engineer
Ventrop Engineering Consulting Group, PLLC Hicham Haddid	MEP (SSDS/SVE Installation)
Groundwater Treatment and Technology, LLC (GWTT)	Dewatering Treatment System Contractor
J & A Concrete (J&A)	Transport and Disposal Contractor
Coastal Environmental Solutions, Inc. (Coastal)	Drilling Contractor
Obar Systems Inc. (Obar)	SVE Pilot Test Contractor
AWS Plumbing, Heating & Cooling	SSDS Installation Contractor
Jackson Bogach, Jazlyn Natalie, Matt Di Lorenzo, Mark Frey	GZA Environmental Field Staff
Chunhua Liu	GZA Quality Assurance Officer
Christine A. Camardella, P.G., PMP	DUSR Preparer
Paul Simms, Pace Analytical	Analytical Laboratory

4.2.2 Site Preparation

The Site was occupied by a parking lot on the northern portion of the Site and a two-story commercial building with a basement on the southern portion of the Site. Demolition of the existing Site building in the southern portion of the Site was required prior to construction. Documentation of approvals required by the IRM and RAWP are included in **Appendix B**. Other non-agency permits relating to the remediation project are included in **Appendix C**.

- Pre-Construction Meeting

A pre-construction meeting was held with NYSDEC and the contractors on July 10, 2023, for the IRM Work Plan Implementation and on June 18, 2025, for the RAWP Implementation. The pre-construction meeting attendance sheet is included as **Appendix D**.

- Mobilization

Implementation of the IRM began in July 2023 and remedial excavation of the northern portion of the Site continued until November 3, 2023. The former Site building was vacated and demolished by December 2023. The contractor proceeded to implement the IRM in January 2024 and continued construction to implement the RAWP on May 2025 and the remedial work was completed on September 23, 2025 with the installation and start-up testing of the SVE system.

4.2.3 General Site Control

- Site Security

The Site was secured with a gated, signed, plywood fencing with points of entry in accordance with NYCDOB and New York City Department of Transportation (NYCDOT) permits and requirements. 4 Brothers Fence, Inc. installed construction fencing along the perimeter to prevent access to the Site. The purpose of the fencing was to limit site access to authorized personnel, protect pedestrians from Site activities, and maintain site security. Most of the remedial work took place inside the fenced construction Site, so no additional control measures were required to secure the work area. Gates were either locked or manned with personnel. The fence was also maintained and secured at the end of each workday.

- Job Site Record Keeping

Field observations were recorded in the form of notes, sketches, and/or photographs. All observations were recorded and included in daily/monthly field reports sent to the NYSDEC and NYSDOH (see **Appendix F**). The daily/monthly field reports summarized remedial activities and project progress during the reporting period and included the activities anticipated during the next reporting period.

- Erosion and Sedimentation Controls

Erosion and sediment controls were performed in conformance with New York State Guidelines for Urban Erosion and Sediment Control. Hay bales, temporary stabilized construction entrances/exits, placement of silt fencing and/or hay bales around soil stockpiles, and/or dust control measures were implemented during remedial activities. The work was completed in accordance with the SWPPP.

- Equipment Decontamination

Dedicated disposable sampling materials were used for both soil and groundwater samples (if collected), eliminating the need to prepare field equipment (rinsate) blanks. However, when non- disposable equipment was used, (stainless steel scoop, etc.) equipment decontamination procedure established in the QAPP, included in the IRM Work Plans and the RAWP, was implemented during use of any non-dedicated sampling equipment.

- Stockpile Methods

The project direct-loaded excavated materials into trucks for proper disposal, and stockpiling material was kept to a minimum. However, when soils were stockpiled, the project implemented measures established in the SMMP, included in the IRM Work Plans and the RAWP. Removed soils were stockpiled on poly sheeting and segregated. Stockpiles were kept covered with appropriately anchored tarps. Stockpiles were inspected and broken, or ripped poly sheeting were promptly replaced.

4.2.4 Nuisance Controls

Measures to limit off-Site dust nuisance were taken. Dust was managed by application of physical covers, by limiting the drop height of soil material, by partial cleaning of equipment leaving the Site, and by water sprays. Odors were controlled by limiting the area of open excavations, and by spraying BioSolve® solution in the

excavation area, when necessary. No nuisance odors were noted or reported outside of the Site. Noise was minimized to the extent practicable. No complaints were received.

A truck wash in the form of yellow track out control mats were installed at the construction entrance (see **Appendix E** for photograph). Prior to leaving the Site equipment and large equipment (e.g., soil excavators) were washed at the truck inspection station, as necessary. Trucks transporting materials off-Site and onto public roadways were inspected prior to departure. Drivers of trucks leaving the Site with soil/fill were instructed to proceed without stopping in the vicinity of the Site to prevent neighborhood impacts. The soil disposal in-bound and out-bound truck routes were via River Avenue to/from I-87. This was the most appropriate route and took into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting offsite queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

4.2.5 CAMP Results

Air monitoring was performed by GZA daily during excavation or other ground intrusive activities on-site during the IRM Implementation from July 2023 until September 2024. Two stations were set up within the Site enclosure. The CAMP stations moved daily, depending on wind directions and planned excavation for the day. There have been no documented continued exceedances of either the VOCs or dust/particulate threshold that warranted stoppage of work during the IRM excavations.

One construction-related elevated dust level was recorded on April 22, 2024 - during concrete sidewalk cutting. A 15-minute dust concentration of 134.4 micrograms per cubic meter (µg/m³) was recorded at the downwind CAMP station. Dust suppression measures were implemented, and the dust levels fell below and did not exceed the 150 µg/m3 action threshold.

Non-construction related exceedances of the VOC and dust thresholds were encountered on three occurrences during the IRM Implementation and are summarized below:

- July 27, 2023 – Dust exceedance at the upwind CAMP station as a prestart condition, prior to construction activities beginning for the day. Dust exceedance occurred during system warmup.
- July 31, 2023 – VOC exceedances occurred at both the upwind and downwind CAMP stations due to calibration of the equipment at the time of the exceedance.
- February 5, 2024 – VOC exceedance at the upwind CAMP station due to calibration of the equipment at the time of the exceedance.

Air monitoring was also performed by GZA daily during excavation or other ground intrusive activities on-site during the RAWP Implementation from May 2025 until September 2025. Air monitoring was performed utilizing a handheld photoionization detector (PID) and dust meter. No exceedances of the VOC and dust thresholds were encountered during the RAWP Implementation

A summary of CAMP exceedances is included as **Table 1**. Copies of all field data sheets relating to the CAMP are included in the Daily / Weekly Field reports included in **Appendix F**.

4.2.6 Best Management Practices

The project incorporated best management practices to lower the environmental footprint during the remediation phase of the project, which included the following:

1. Limit the use of generators, excavation equipment, and vehicles to reduce emissions.
2. Minimize truck travel for disposal of waste generated during the RAWP implementation by selecting local disposal facilities.
3. Manage onsite resources and materials efficiently (e.g., dewatering equipment and treatment system).
4. Use local subcontractors during IRM Work Plans and RAWP implementation to minimize vehicle emissions during commute.
5. Request subcontractors to use clean diesel equipment to reduce emissions.
6. Request project staff and subcontractors to use public transportation during IRM Work Plan and RAWP implementation to the extent practicable.
7. Reducing waste, increasing recycling, and increasing reuse of materials that otherwise be considered waste.

As required a Climate screen checklist and an environmental footprint analysis have been completed for the project (which includes Leadership in Energy and Environmental Design [LEED] credits) and are attached in the Green and Sustainable Remediation (GSR) Report the provided in **Appendix G**.

4.2.7 Reporting

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e., those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the IRM Work Plans and RAWP. All remedial documents were submitted to NYSDEC in a timely manner, including the daily and monthly reports providing a general summary of activities that occurred during the active remedial work. Those reports included project number, statement of the activities, an update of progress made, and locations of work performed; quantities of soil materials imported and exported from the Site; status of on-site soil/fill stockpiles; emergencies related to the Site, if any; a summary of CAMP data; and photographs of notable Site conditions and activities. All daily, weekly and monthly reports are included in **Appendix F**.

4.3 CONTAMINATED MATERIALS REMOVAL

The remedy established under the IRM Work Plans, the RAWP, and the NYSDEC Decision Document is a Track 4 Restricted Residential Use remedy. The soil RAOs established for public health and environmental protection included the selection of Track 4 RRSCOs and PGSCOs as established by 6 NYCRR Part 375-6.8. A list of SCOs for the Site is included in **Table 2**.

Soils were excavated to a depth of approximately 2 ft bgs across the proposed limits of excavation, with localized deeper excavations for removal of soil with chlorinated volatile organic compounds (cVOCs) and petroleum-related VOCs exceeding the PGSCOs. Areas where Chlorinated VOCs were identified above PGSCOs were excavated down to between 5 ft bgs and 7 ft bgs. Areas where petroleum-related VOCs were identified above PGSCOs were excavated down to 10 ft bgs. The cumulative tally of excavated materials removed from the Site,

along with copies of the disposal manifests, are discussed in the succeeding section. The remedial excavation extent is shown on **Figure 4**. The remedial excavation profiles are shown on **Figures 4A and 4B**.

The groundwater RAOs were established for public health and environmental protection. The remedy included the groundwater treatment during construction dewatering and the establishment of institutional control that would restrict the use of groundwater as potable or process water, to which compliance will be included into the Appendix R - SMP.

4.3.1 Tank Removal and Closure

On November 20, 2023, during the demolition of the former building, one 10,000 -gallon AST was encountered within a tank vault at the southeastern corner of the basement of the building. The AST was registered as Tank 001 under NYSDEC PBS Site No. 2-609485 for the previous tenant American Self-Storage. The AST was cleaned, and the tank was removed as scrap by Action Remediation, Inc. of Wantagh NY. A PBS Application was submitted to NYSDEC to modify the AST record as closed following the removal. Tank Closure documentation is attached as **Appendix H**.

4.3.2 Soil Excavation and Removal

Prior to excavation, waste characterization sampling was completed across the Site. The project then secured approval from prospective NYSDEC-registered (or equivalent) disposal facilities which accepted the materials. The materials were then transported by licensed transporters/haulers.

4.3.2.1 Waste Characterization Sampling

From August 15, 2022, through August 17, 2022, eight soil borings were installed in the interior of the existing building to account for two waste characterization grids (WC-01 and WC-02). From August 18 through August 25, 19 soil borings were installed at the parking area (i.e., north exterior of the existing building) to account for 13 waste characterization grids (WC-03 through WC-15). The findings of the waste characterization study are as follows:

- During the waste characterization sampling, historic urban fill material of off-site origin was encountered at depths between 1.5 and 7 ft bgs.
- The VOCs 1,1-Dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, TCE, and PCE exceeded the UUSCOs, RUSCOs, and/or PGSCOs in one or more waste characterization soil samples. Two areas of elevated VOCs (around SB-05 and SB-20) are recommended to be excavated prior to the mass excavation during the IRM. Additional end point samples were collected around these two areas to confirm that soils above appropriate SCOs have been removed.
- The SVOCs Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs, RUSCOs, and/or PGSCOs in one or more waste characterization soil samples.
- The metals copper, lead, mercury, and zinc exceeded the UUSCOs in multiple waste characterization soil samples. Lead and mercury exceeded the RUSCO in one soil sample.

- The pesticides 4,4-DDE and 4,4-DDT exceeded the UUSCOs in one or more waste characterization soil samples.

- The samples were detected at concentrations below the New Jersey Department of Environmental Protection Residential Soil Remediation Criterion for EPH and GRO.

- Toxicity Characteristic Leaching Procedure (TCLP) VOCs and TCLP Metals were either below detection limits or below the TCLP Maximum Contaminant Concentrations for Toxicity.

- The analytical results from the Waste Characterization parameters indicate that the samples tested do not exhibit hazardous waste characteristics.

The Site is located within New York City and the shallow fill materials exhibited typical concentrations of SVOCs and metals that exceeded unrestricted use, restricted residential use, and PGSCOs. Based on 6 NYCRR Part 360.13.f, the maximum concentration levels to meet requirements are the lower of Protection of Public Health – RRSCOs and PGSCOs as defined in 6 NYCRR Part 375-6.8(b). Therefore, the soils which exceeded those standards were not defined as Type 2 or Type 3 fill and were not suitable for general beneficial reuse and therefore were excavated and disposed of off-site. The waste characterization analytical results indicate that the toxicity and waste characterization parameters were within the maximum allowed concentrations of contaminants and therefore the soils were managed as non-hazardous materials. The waste characterization reports are provided in **Appendix I**.

4.3.2.2 Disposal Facility Approvals

The results of the waste characterization were utilized by the General Contractor to secure approvals from prospective disposal facilities which are as follows:

- **PPark of Prospect Park, NJ**
  100 Planten Avenue,
  Prospect Park, NJ 07508

- **Clean Earth of Carteret, NJ**
  25 Middlesex Avenue,
  Carteret, NJ 07008

- **Clean Earth of North Jersey, NJ**
  105 Jacobus Avenue,
  Kearny, NJ 07032

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in **Appendix J**.

4.3.2.3 Transportation of Excavated Materials

The excavated materials were transported by the following licensed transporters with valid NYSDEC 6 NYCRR 364 Waste Transporter Permits:

- **Munoz Trucking Corporation**

40-48 Porete Avenue, North Arlington, NJ 11757
Manuel Munoz – (201) 997-8885
NYSDEC Part 364 Waste Transporter Permit No. NJ-777

- **Cuenca Coronel Trucking Inc.**
  973 Bash Avenue, Clifton, NJ 07011
  (973) 842-9837 (Mauro E. Cuenca)
  NYSDEC Part 364 Waste Transporter Permit No. NJ-850

- **Shamrock Materials LLC**
  3461 Richmond Terrace, Staten Island, NY 10303
  (718) 273-9223 (Thomas Corbett)
  NYSDEC Part 364 Waste Transporter Permit No. 2A-502

- **Apache Environmental & Development, LLC**
  442 Northfield Avenue, Staten Island, NY 10303
  (718) 727-0100 (Anthony Albero)
  NYSDEC Part 364 Waste Transporter Permit No. 2A-908

Copies of the waste hauler permits are provided in **Appendix K**.

4.3.2.4 Non-Hazardous Soil Excavation and Removal

The redevelopment of the Site as a new school included a 76,520 SF building cellar that will excavate down to 5.3 ft bgs (in most areas), two elevator pits excavated to approximately 13 ft bgs. Other deep excavations, including for a sanitary house trap, grease interceptor pit, ejector pit, and Con Edison vault was excavated between approximately 5 and 22.5 ft bgs. The total estimated excavated material for the construction that has been transported off-Site is 17,737.54 tons or 630 truckloads of material

Table B - Summary of Exported Non-Hazardous Materials

Facility # Name/ Location	PPark – Prospect Park, NJ		Clean Earth – Carteret, NJ		Clean Earth – North Jersey, NJ		REMEDIAL EXCAVATION PROJECT TOTALS		CONSTRUCTION PROJECT TOTALS	
	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
TOTAL	170	4,941.50	459	12,769.21	1	26.83	460	12,796.04	630	17,737.54

According to the NYSDEC-approved IRM Work Plans and RAWP, excavation across the Site varies widely dependent on final slab elevation and current ground surface elevation. In general, the majority of the Site was excavated between 2 and 7 ft bgs during the IRMs and ancillary excavation were performed for utilities during the RAWP Implementation. Remedial excavations included soil/fill to 2 ft bgs, soil exceeding Track 4: RRSCOs, and excavation of supplemental areas with soil that had cVOCs, which exceeded PGSCOs. Based on the waste characterization and identified remedial excavation areas generated 12,796.04 tons of materials (or 8,530 CY) that were sent to Clean Earth facilities. The rest of the construction excavation materials were sent to PPARK of Prospect Park, NJ.

The cumulative tally of excavated materials removed from the Site, along with copies of the disposal manifests, are provided in **Appendix L**. The extent of remedial excavations is shown on **Figure 4.** The cross-section showing

the original ground surface elevation and the depth of the excavations/cuts are shown on **Figures 4A and 4B.** The project did not encounter and remove hazardous materials.

4.3.3 Construction Demolition & Debris

On December 29,2021, the Participant (586 River Ave., LLC) purchased the Site from the previous owner (580 Gerard LLC). Neither the Participant, nor Success Academy Charter Schools, is owned by or in any way affiliated with any of the prior owners or operators of the Site.

The building demolition work proceeded using customary methods pursuant to a demolition permit issued by the New York City (NYC) Department of Buildings (DOB). However, since the building demolition work was performed by the previous owner of the Site, the demolition work was not performed under the IRM Work Plan. The demolition focused on the superstructure of the former building and kept the cellar slab and sidewall, thereby maintaining a competent Site cover prior to the implementation of the remedy. During the demolition, various building materials were removed from the Site by H&O Engineering under contract to the former owner (580 Gerard LLC). In addition, the former 10,000 -gallon fuel oil AST was closed as part of the demolition of the former building by the former owner's contractors. The tank closure documentation is attached as **Appendix H**.

4.4 ON-SITE REUSE

On April 16, 2024 (with additional sampling documentation provided on June 10, 2024), a request to reuse 4,000 CY of excavated material was made to the NYSDEC. On October 10, 2025, a request to reuse approximately 10 CY of material was made to the NYSDEC. Testing was performed on the excavated materials and met the lower of RRSCOs or PGSCOs as indicated in Appendix 5 of DER-10. The area where the excavated materials were reused is shown on **Figure 9 – Backfill Placement Plan**.

Additional backfill material, such as gas permeable aggregate (GPA) from Tilcon, West Nyack, Quarry, was requested for ancillary use. Both materials were subsequently approved by the NYSDEC. A demarcation layer was placed at the base of excavation for all areas excavated (as shown on **Figure 8)**, and then backfilled with either reuse material or approved imported material as shown on **Figure 9**. A copy of the material characterization report, request to reuse form, and NYSDEC approval are provided in **Appendix M**.

4.5 DEWATERING

Construction dewatering and groundwater treatment were required to reach the remediation and development depths. The treatment system developed by Tri-State Groundwater Services LLC consisted of one 8,000-gallon settling tank, one (1) 1-micron bag filter skid, and two (2) 1,000-lbs capacity activated carbon vessels in lead-bag series. The dewatering was performed in two stages, which required two New York City Department of Environmental Protection (NYCDEP) Permits. A total of 6,273,770 gallons of groundwater water was treated and discharged to the city sewer system as shown below:

Table C - Dewatering Volume Project Totals

- Dewatering system pumping discharge to sewer along Gerard Avenue under NYCDEP Permit No. C002746487.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Total	**4,156,942**

- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Total	**2,116,828**

Tri-State's dewatering plan and the NYCDEP Dewatering permits are included in **Appendix N**.

4.6 IN-SITU TREATMENT

When endpoint documentation sampling results did not confirm the effective removal of VOC source area contamination, and the VOC source area soil contamination was not excavated below the water table, then the VOC source area was addressed by the application of in-situ treatment at water table excavation areas using a direct application of RegenOx®.

RegenOx® is a remediation amendment designed by Regenesis Bioremediation Products of San Clemente, California to chemically oxidize contaminants upon contact. RegenOx® is comprised of two products: Part A is a percarbonate oxidizer complex powder; and Part B is the activator complex gel. The product is designed as a multiphase In-Situ Chemical Oxidation (ISCO) reaction by generating a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOx® was selected due to its ability to rapidly and effectively break down the Site's COPCs including petroleum hydrocarbons and chlorinated compounds.

The RegenOx® material was directly applied into the in-situ treatment areas by an excavator. Each 20-ft by 20-ft (400 SF) area was treated was centered on a sampling point location, which either exceeded PGSCOs in the confirmatory endpoint samples during the IRM, or reported elevated COPC groundwater concentrations during the RI. The four areas of groundwater VOC source areas were first excavated to the water table approximately 8 to 9 feet below original ground surface to the groundwater table at approximately elevation (EL) +3 feet above North American Vertical Datum 1988 (NAVD88), and treated at the saturated zone with RegenOx®. Then, the excavator was used to "rake " the bottom of the excavation to evenly spread the RegenOx® across the in-situ treatment area.

A total of 3,600 pounds (lbs.) of Part A and 3,600lbs. of Part B were added to the four groundwater VOC source area excavations prior to backfilling the excavations for redevelopment.

- On November 15, 2023, 720 lbs. of RegenOx® Part A and 720 lbs. of RegenOx® Part B were applied at the endpoint sample EP-13 location (i.e., the former RI soil boring SB/MW-06 location).

- On December 21, 2023, 720 lbs. of RegenOx® Part A and 720 lbs. of RegenOx® Part B were applied at the endpoint sample EP-21, EP-22, EP23, EP-24, and EP-25 location (i.e., the former RI soil boring SB-23 location).

- On January 26, 2024, 1,440 lbs. of RegenOx® Part A and 1,440 lbs. of RegenOx® Part B were applied at the endpoint sample EP-38 location (i.e., the former RI soil boring SB/MW-04 location).

- On April 19, 2024, 720 lbs. of RegenOx® Part A and 720 lbs. of RegenOx® Part B were applied at the endpoint sample EP-62 location (i.e., the former RI soil boring SB/MW-03 location).

The excavation contractor directly flushed the equipment handling the RegenOx® with clean water at the completion of the application. The RegenOx® is anticipated to continue to remediate dissolved petroleum constituents and chlorinated solvents as it moves along the water table in the subsurface. **Figure 4** and **Figure 5** depict the RegenOx® in-situ treatment application locations.

4.7 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

4.7.1 Endpoint Sampling Frequency

In a letter dated June 1, 2023, the NYSDEC approved the documentation endpoint samples to be collected as follows:

- For remedial excavations confirmatory endpoint samples were collected at a frequency of one sample per 2,500 SF of excavation bottom beneath the 2-foot deep, site-wide remedial excavation area.

- In the supplemental remedial excavation areas where chlorinated VOCs were a contaminant of concern, endpoint documentation samples were collected at the bottom of the excavation at a frequency of one sample per every 900 SF and sidewall samples at a frequency of one every 30 linear feet of sidewall (with a minimum of one sample per sidewall).

- In the supplemental remedial excavation areas where petroleum-related VOCs were a contaminant of concern, five endpoint documentation samples were collected at the bottom of the excavation at a frequency of one sample per every 900 SF and sidewall samples at a frequency of one sample every 30 linear feet of sidewall (with a minimum of one sample per sidewall).

- A total of sixty-nine (69) endpoint samples were collected during the IRMs. Additional endpoint samples were not required during the proposed remedial action..

The request letter is included in **Appendix O**. The endpoint documentation sample locations are shown on **Figure 5**. The documentation endpoint sampling frequency was then memorialized in the IRM Work Plans subsequently approved by NYSDEC.

4.7.2 Methodology

Endpoint Soil sampling occurred following excavation. Soil samples were collected using 5-gram Terracore™ samplers. Soil duplicates were not mixed but collected within as close proximity of each other as site conditions permitted. Additional sample volume was collected for samples slated for MS/MSD analysis.

Composite samples were collected using a stainless-steel trowel. Discrete sample volumes were placed in a clean stainless-steel bowl and mixed to form the composite. The number of aliquots used to form the composite sample depended on the requirements of the disposal facility.

Soil samples were collected in laboratory provided containers and transported to a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory, under chain-of-custody procedures for analysis. Once the sample containers were filled, they were immediately placed in the cooler with ice (in Ziploc plastic bags to prevent leaking) or synthetic ice packs to maintain the samples at below 4 degrees C. A New York State Environmental Laboratory Accreditation Program (NYS ELAP) certified labs were used for all end-point sample analyses.

4.7.3 Quality Assurance / Quality Control

A QAPP was prepared to ensure that field sampling procedures, selected analytical methods, and chemical analytical data are of sufficient quality to meet the intended usage. The Site soils have been excavated, and we do not anticipate collecting additional soil samples for the removal of material for the ancillary areas e.g., construction ramp area, landscaped areas, hardscaped areas, etc.). This RA sampling program has been designed to evaluate the groundwater and soil vapor during the RA phase.

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements were addressed by the laboratory for the data generated.

GZA collected Quality Assurance/Quality Control (QA/QC) samples to: (1) check sample bottle preparation; (2) evaluate contamination introduced during transport; (3) evaluate the effectiveness of field decontamination procedures; and (4) evaluate the "reproducibility and accuracy of the laboratory analytical procedures. QA/QC samples were collected at the frequency outlined in QAPP.

4.7.4 Data Usability Summary Report

The Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data without third party data validation. The primary objective of a DUSR is to determine whether the data, as presented, meets the site/project specific criteria for data quality and data use. Verification and/or performance monitoring samples collected under the IRM Work Plans and the RAWP were reviewed and evaluated in accordance with the Guidance for the Development of Data Usability Summary Reports as presented in Appendix 2B of DER-10. The DUSRs are included in **Appendix P**.

4.7.5 Endpoint Documentation Results

Remedial excavation commenced on July 24, 2023, and proceeded to the proposed limits of excavation:

- Remedial excavation down to 2 ft bgs across the entire Site.
- Supplemental Remedial Excavation areas down to between 5 ft bgs and 7 ft bgs where Chlorinated VOCs were identified during the RI above PGSCOs within the redevelopment excavations.
- Supplemental Remedial Excavation down to 10 ft bgs (i.e., around SB-23) where petroleum-related VOCs were identified during RI above PGSCOs.

The extent of excavation is shown on **Figure 4**. Remedial excavation profile is shown as **Figures 4A and 4B**. Soil endpoint samples collected, and the laboratory analytical results were compared to NYSDEC Part 375 UUSCOs, RRSCOs, and the PGSCOs and are summarized in **Tables 3 to 7**. Several memoranda were submitted monthly to NYSDEC, to summarize the laboratory results while the project was on-going, copies are attached in **Appendix Q**.

The soil endpoint samples at the base of excavation contained concentrations of VOC 1,2,4-Trimethylbenzene [5.6 mg/kg in EP-25 (8')]; Total Metals Lead (max of 71.1 mg/kg); and Pesticides, including 4,4'-DDE [0.00511 mg/kg in EP-53 (5')] and 4,4'-DDT (max of 0.0143 mg/kg). The spider diagrams showing the endpoint results above RRSCOs and/or PGSCOs are shown on **Figure 5**.

4.8 IMPORTED BACKFILL

Clean soil, including gas permeable aggregates and sand, were imported to the Site to backfill the excavation areas, as required. A table of all sources of imported backfill with quantities for each source is shown in **Table D**, below. NYSDEC approval for the imported backfill are provided in **Appendix M**. Tables summarizing chemical analytical results for backfill, in comparison to allowable levels are provided in **Appendix R**. Fill import manifests are provided in **Appendix S**.

Table D - Summary of Imported Materials

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates [GPA])		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		ECM - Wantage Stone Quary, NJ (ASTM #8 [3/4"] Stone / GPA)		PPark of Prospect Park, NJ RCA ¾" Concrete Aggregates		Allocco Recycling, Inc. Brooklyn, NY RCA ¾" Concrete Aggregates		Faztec Industries RCA ¾" Blend Concrete Aggregates		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
TOTAL	16	412.12	75	1,951.90	240	5,668.24	169	4,521.62	9	216.41	3	60	8	197.26	520	13,027.55

In total, 13,027.55 tons (approximately 8,685 cubic yards) of material were imported to the Site. Backfilled areas are shown in **Figure 9**.

4.9 CONTAMINATION REMAINING AT THE SITE

The IRM Work Plans and the RAWP established a Track 4: Restricted-Residential SCOs for the Site. A minimum of two feet of shallow soils consisting of historic fill material have been removed at the Site as part of the NYSDEC-approved IRMs with the all endpoint soil samples showing analytical results below RRSCOs (see **Section 4.9.1**). A Summary of the project Soil Cleanup Objectives is included in **Table 2**.

The IRM and RAWP included the construction of an engineered composite cover consisting of a minimum of 12-inch clean granular gas permeable aggregate beneath the building footprint, a vapor barrier consisting of a 46-mil GCP Preprufe® 300R below the building and the foundation side walls, and a minimum of 8 inches of concrete beneath the entire building. In the southern area of the Site, the former building area was backfilled with approved clean, reuse materials to reach the subgrade elevations below the SSDS gas permeable aggregate after the former foundation slab was removed. A non-woven geotextile was placed beneath the gas permeable aggregate and the compacted sub-base beneath the building footprint.

Outside the building footprint, a minimum of two feet of clean soil was placed over a demarcation layer (orange snow fencing, as shown on **Figure 8**), with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, met the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). In the area of the stormwater detention tank and electrical

vault, the Site cover consisted of a minimum of two feet of clean soil was placed over a demarcation layer and a minimum six-inch concrete slab. The Site Cover system is shown on **Figure 10**.

Since contaminated soil, groundwater, and soil vapor remain beneath the Site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the SMP approved by the NYSDEC.

4.9.1 Soil Endpoint Analysis Results

As noted on **Section 4.6.5** above, the soil documentation endpoint samples at the base of excavation contained VOC 1,2,4-Trimethylbenzene [5.6 mg/kg in EP-25 (8')] above the lower of PGSCOs or RRSCOs as shown in **Table E**, below. The spider diagram showing the residual soil contamination is shown on **Figure 5**.

Table E - Summary of Endpoint Soil Sample Exceedances

Analyte	PGSCOs	RRSCOs	Unit	Minimum Detected Concentration above SCOs and Sample Location		Maximum Detected Concentration above SCOs and Sample Location	
VOCs							
1,2,4-Trimethylbenzene	3.6	47	mg/kg	5.6	EP-25 (8 ft bgs / EL. 3.88)	5.6	EP-25 (8 ft bgs / EL. 3.88)

Note: ft bgs – feet below the original ground surface mg/kg – milligrams per kilogram
EL. – Elevation based on NAVD 88

As discussed in **Section 4.6**, 720 lbs. of RegenOx® Part A and 720 lbs. of RegenOx® Part B were applied in this area (EP-21, EP-22, EP23, EP-24 and EP-25 location [i.e., the former RI soil boring SB-23 location]) on December 21, 2023 as a contingency to address this exceedance of PGSCO at the water table.

4.9.2 Post-Treatment Groundwater Analysis Results

In-situ groundwater treatment with direct application of RegenOx® was performed on November 15, 2023, December 21, 2023, January 26, 2024, and April 19, 2024. As required, groundwater samples were collected from each of the six (6) downgradient wells (MW-2, MW-15, MW-16, MW-17, MW-18, and MW-19) and three (3) upgradient wells (MW-01, MW-13, and MW-14) along the perimeter of the Site. The permanent monitoring wells were installed to a maximum depth of approximately 25 ft bgs (i.e., at least 10 feet into the water table). Each well consisted of a 2-inch diameter solid PVC riser and at least 10 feet of 0.02-inch slotted PVC well screen with the screened interval designed to span across the water table to detect petroleum sheens or LNAPLs. The groundwater was developed until it was nearly free of turbidity (i.e., <20 NTU), or 5 well casing volumes have been removed. The monitoring well locations are provided on **Figure 6**. The monitoring well construction logs are included in **Appendix T**.

Four rounds of Quarterly groundwater sampling were performed:

- 1st Quarter (July 2024/August 2024/September 2024) – July 31 and August 1, 2024
- 2nd Quarter (October 2024/November 2024/December 2024) – November 25, 2024
- 3rd Quarter (January 2025/February 2025/March 2025) – February 26, 2025
- 4th Quarter (April 2025/May 2025/June 2025) – May 22, 2025

Well MW-01 and MW-13 were not sampled due to on-going construction activities. Well MW-02 was not sampled in November 2024 due to access being blocked by construction equipment. Well MW-19 was only sampled in November 2024. Similarly, wells MW-02 and MW-18 were not sampled in May 2025 due to access being blocked by construction equipment. Groundwater samples were collected from monitoring wells utilizing dedicated High-Density Polyethylene (HDPE) tubing and peristaltic pump. Each groundwater sample was transferred directly from the sampling equipment to laboratory-provided sample bottles.

The groundwater samples were analyzed for the following:

- Target Compound List (TCL) VOCs plus 10 Tentatively Identified Compounds by EPA Method 8260
- TCL SVOCs plus 20 TICs by EPA Method 8270
- Total and dissolved Target Analyte List (TAL) Metals by EPA Method 6010C/6020/7471B
- Total Cyanide by EPA Method 9010/9012
- Mercury by EPA Method 7471

The analytical results from the October 2023 groundwater sampling (i.e., prior to construction and prior to the in-situ treatment) were included as the Baseline of comparison. The results are summarized in **Tables 8 to 12**, and shown on **Figure 6B**.

4.9.2.1 1st Quarter Groundwater Monitoring Results – July to September 2024

The groundwater analytical results for 1st Quarter Event – July / August 2024 results as follows:

VOCs

- Petroleum-related VOCs (i.e., 1,2,4,5-tetramethylbenzene [at a maximum concentration {max.} of 30 micrograms per liter {ug/L}], 1,2,4-trimethylbenzene [max. 130 ug/L], ethylbenzene[max. 160 ug/L], isopropylbenzene[max. 56 ug/L], n-butylbenzene[max. 9.1 ug/L], n-propylbenzene[max. 75 ug/L], naphthalene [max. 27 ug/L], o-xylene [max. 30ug/L], p-isopropyltoluene [max. 28 ug/L], sec-butylbenzene[max. 7.5 ug/L]) were detected above AWQS of 5 ug/L in groundwater samples collected upgradient (MW-14) and downgradient of the Site (at MW-15, MW-17, and MW-18) of the Site. Petroleum-related VOCs were not detected in the monitoring well on the west side of River Avenue across the street from the Site (MW-19).
- Concentrations of chlorinated VOCs 1,1,1-trichloroethane [max. 6.1 ug/L], cis-1,2-Dichloroethene [max. 11 ug/L], and TCE [max. 20 ug/L] exceeded AWQS of 5 ug/L in one sample collected downgradient of the Site at MW-17. Chlorinated VOCs were not detected in the monitoring well MW-19 located on the west of River Avenue, across the street from the Site.

SVOCs

- Polycyclic aromatic hydrocarbons (PAHs), specifically benzo(a)anthracene[max. 0.04 ug/L], benzo(a)pyrene [max. 0.04 ug/L], and benzo(b)fluoranthene [max. 0.05 ug/L] were reported in two samples; one upgradient (at MW-14 on the Gerard Avenue sidewalk) and one downgradient (at MW-02 on the River Avenue sidewalk) of the Site. Chrysene [max. 0.03 ug/L] was reported in one sample downgradient of the Site (at MW-02 on the River Avenue sidewalk). Naphthalene [max. 10 ug/L] was reported in one sample downgradient of the Site (at MW-17 on the east of the River Avenue sidewalk immediately adjacent to the Site). Phenol [max. 1.7 ug/L] was reported in two samples downgradient of the Site (at MW-15 and MW-16 on the east of the River Avenue sidewalk, immediately adjacent to the Site) in comparison with the AWQS values of 10 ug/L for naphthalene and 0.002 ug/L for

benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene). SVOCs were not detected in the downgradient monitoring well (MW-19) across River Avenue.

Metals

- Total metals(specifically, total manganese [max. 5,521 ug/L] and total sodium [max. 424,000 ug/L] were detected above AWQS in all groundwater samples. Total iron [max. 13,500 ug/L] and total magnesium [max. 46,000 ug/L] were detected above AWQS in some samples.
- Dissolved metals, specifically dissolved manganese (max. 5,764 ug/L), and dissolved sodium [max. 460,000 ug/L] were detected above AWQS in all groundwater samples. Dissolved iron [max. 1,170 ug/L] and dissolved magnesium [max. 46,400 ug/L] were detected above AWQS in some samples.

The VOC, SVOC, and Metals analytical results are shown in **Tables 8 to 10** and shown on **Figure 6C.**

4.9.2.2 2nd Quarter Groundwater Monitoring Results – October 2024 to December 2024

VOCs

- Petroleum-related VOCs, 1,2,4,5-tetramethylbenzene (max. 84 ug/L), 1,2,4-trimethylbenzene (max. 690 ug/L), ethylbenzene (max. 260 ug/L), isopropylbenzene (max. 76 ug/L), n-butylbenzene (max. 16 ug/L), n-propylbenzene (max. 110 ug/L), naphthalene (max. 180 ug/L), o- xylene (max. 120 ug/L), and p/m-xylene (max. 37 ug/L), and sec-butylbenzene (max. 10 ug/L) were detected above AWQS the upgradient well MW-14 and downgradient wells MW-15, MW-17, and MW-18. Petroleum-related VOCs were not detected at concentrations above their respective AWQS in MW-16.
- Concentration of a cVOC, specifically TCE (max. 11 ug/L) exceeded AWQS in one sample from downgradient well MW-17.

SVOCs

- Naphthalene [max. 87 ug/L] was detected at concentration above AWQS in two downgradient samples (at MW-15 and MW-18).
- Except for naphthalene, other SVOCs were either below detection limits or below AWQS from all the monitoring wells.

Metals

- Total metals, specifically total manganese [max. 3,422 ug/L] and total sodium [max. 196,000 ug/L] were detected above AWQS in all groundwater samples. Total iron [max. of 10,100 ug/L] was detected above AWQS all samples except MW-16.
- Dissolved metals, specifically dissolved manganese (max. 2,743 ug/L), and dissolved sodium [max. 169,000 ug/L] were detected above AWQS in all groundwater samples. Dissolved iron [max. 466 ug/L] was detected above AWQS in one sample MW-18.
- The analytical results are shown in **Tables 8 to 10** and shown on **Figure 6D.**

4.9.2.3 3rd Quarter Groundwater Monitoring Results – January 2025 to March 2025

VOCs

- Petroleum-related VOCs were detected above AWQS at the upgradient well (MW-14) and the downgradient wells (MW-15 and MW-18) specifically, 1,2,4,5-tetramethylbenzene (max. 80 ug/L), ethylbenzene (max. 85 ug/L), isopropylbenzene (max. 54 ug/L), n-butylbenzene (max. 12 ug/L), n-propylbenzene (max. 110 ug/L), and sec-butylbenzene (max. 14 ug/L). 1,2,4-trimethylbenzene (at 500 ug/L), naphthalene (at 16 ug/L), and o-xylene (at 13 ug/L) were detected above AWQS in the upgradient well MW-14 only.

- Concentration of cVOCs 1,1,1-trichloroethane (1,1,1-TCA)(at 5.4 ug/L), 1,1-dichloroethane (at 5.1 ug/L), cis-1,2 dichloroethene (cis-1,2DCE) (at 10 ug/L), and trichloroethylene (TCE) (at 27 ug/L) were detected above AWQS in downgradient well MW-17. cis-1,2DCE (at 5.4 ug/L) exceeded AWQS in downgradient well MW-15.

SVOCs

- Several SVOCs were detected above AWQS only in the upgradient well MW-14, specifically phenol (at 1.4 ug/L), benzo(a)anthracene (at 0.06 ug/L), benzo(a)pyrene (at 0.05 ug/L), benzo(b)fluoranthene(at 0.06 ug/L), benzo(k)fluoranthene (at 0.04 ug/L, chrysene (at 0.05 ug/L), indeno(1,2,3-cd)pyrene (at 0.07 ug/L) and naphthalene (at 14 ug/L). SVOCs were either below detection limits or below AWQS in the downgradient wells.

Metals

- Total metals, specifically total manganese [max. 7,459 ug/L] and total sodium [max. 446,000 ug/L] were detected above AWQS in all groundwater samples. Total iron [max. of 5,720 ug/L] and total magnesium [max. 75,800 ug/l] were detected above AWQS some samples. Total antimony was detected above AWQS in one sample MW-18.
- Dissolved metals, specifically dissolved manganese (max. of 7,860 ug/L) and dissolved sodium [max. 440,000 ug/L] were detected above AWQS in all groundwater samples. Dissolved magnesium [max. 72,700 ug/L] was detected above AWQS in two samples.

The analytical results are shown in **Tables 8** to **10** and shown on **Figure 6E.**

4.9.2.4 4th Quarter Groundwater Monitoring Results – April 2025 to June 2025

VOCs

- Petroleum-related VOCs were detected above AWQS at the upgradient well MW-14 and downgradient wells MW-15 and MW-17. Petroleum-related VOCs 1,2,4,5-tetramethylbenzene (max.at 16 ug/L), 1,2,4-trimethylbenzene (at 13 ug/L) and sec-butylbenzene (max.at 5.5 ug/L) were detected above AWQS in the upgradient well MW-14 only. While petroleum-related VOCs ethylbenzene (max. 10 ug/L), isopropylbenzene (max. 14 ug/L), n-propylbenzene (max. 26 ug/L) were detected above AWQS in both the upgradient well MW-14 and the downgradient wells (MW-15 and MW-17)
- Concentration of cVOCs cis-1,2 dichloroethene (cis-1,2-DCE) (at 5.9 ug/L), and trichloroethylene (TCE) (at 16 ug/L) were detected above AWQS only in the downgradient well MW-17.

SVOCs

- Several SVOCs were detected above AWQS only in the upgradient well MW-14, specifically benzo(a)anthracene (at 0.07 ug/L), benzo(a)pyrene (at 0.08 ug/L), benzo(b)fluoranthene(at 0.09 ug/L), benzo(k)fluoranthene (at 0.04 ug/L, chrysene (at 0.06 ug/L), and indeno(1,2,3-cd)pyrene (at 0.05 ug/L). SVOCs were either below detection limits or below AWQS in the downgradient wells.

Metals

- Total metals, specifically total manganese [max. 5,498 ug/L] and total sodium [max. 389,000 ug/L] were detected above AWQS in all groundwater samples. Total iron [max. 9,500 ug/L] were detected above AWQS some samples.
- The VOC, SVOC, and Metals analytical results are shown in **Tables 8 to 10** and shown on **Figure 6F.**

Table F - Summary of Groundwater Sample Exceedances

Analyte	AWQS	Unit	Minimum Detected Concentration above AWQS and Well Location *		Maximum Detected Concentration above AWQS and Well Location *	
VOCs						
1,2,4,5-Tetramethylbenzene	5	ug/L	16	MW-14	16	MW-14
1,2,4-Trimethylbenzene	5	ug/L	13	MW-14	13	MW-14
cis-1,2-Dichloroethene	5	ug/L	5.9	MW-17	5.9	MW-17
Ethylbenzene	5	ug/L	10	MW-15	10	MW-15
Isopropylbenzene	5	ug/L	6.8	MW-15	14	MW-14
n-Propylbenzene	5	ug/L	5.5	MW-15	26	MW-14
sec-Butylbenzene	5	ug/L	5.5	MW-14	5.5	MW-14
Trichloroethene	5	ug/L	16	MW-17	16	MW-17
SVOCs						
Benzo(a)anthracene	0.002	ug/L	0.07	MW-14	0.07	MW-14
Benzo(a)pyrene	0	ug/L	0.08	MW-14	0.08	MW-14
Benzo(b)fluoranthene	0.002	ug/L	0.09	MW-14	0.09	MW-14
Benzo(k)fluoranthene	0.002	ug/L	0.04	MW-14	0.04	MW-14
Chrysene	0.002	ug/L	0.06	MW-14	0.06	MW-14
Indeno(1,2,3-cd)pyrene	0.002	ug/L	0.05	MW-14	0.05	MW-14
Total Metals						
Iron, Total	300	ug/L	1,100	MW-17	9,500	MW-15
Manganese, Total	300	ug/L	1,450	MW-17	5,498	MW-16
Sodium, Total	20,000	ug/L	99,400	MW-15	389,000	MW-14
Dissolved Metals						
Antimony, Dissolved	3	ug/L	5.35	MW-14	5.35	MW-14
Manganese, Dissolved	300	ug/L	1,054	MW-17	4,906	MW-16
Sodium, Dissolved	20,000	ug/L	110,000	MW-15	435,000	MW-14

Note: *AWQS* – New York State Department of Environmental Conservation Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values.
ug/L – micrograms per liter.
* – Detected concentration above AWQS are from samples collected during the latest 4th Quarter Groundwater Monitoring event – April 2025 to June 2025.

Post-remedial action groundwater monitoring samples will be collected from all nine wells as part of the monitoring for the SMP. The Post-Remedial Groundwater Monitoring Locations are shown on **Figure 6**. The Annual Groundwater Monitoring Report is included as **Appendix U**.

4.9.3 Soil Vapor

The soil vapor was compared to elevated soil and groundwater parameters to identify a correlation between detected compounds and contaminants observed in other media.

4.9.3.1 Off-site Supplemental Remedial Investigation October 2023

The October 2023 Off-Site SRI soil vapor analytical results are summarized in **Table 13**. As shown on **Figure 7A**, the sample locations were beneath the sidewalk on the east side of River Avenue adjoining the Site and beneath the sidewalk on the west side of Gerard Avenue adjoining the Site.

Petroleum-Related VOCs

- Benzene was detected in five (5) soil vapor samples ranging from 1.1 ug/m^3 to a maximum concentration of 655 ug/m^3.
- Ethylbenzene was detected in five (5) soil vapor samples ranging from 1.12 ug/m^3 to a maximum concentration of 9.56 ug/m^3.

- Cyclohexane was detected in seven (7) soil vapor samples ranging from 0.778 ug/m^3 to a maximum concentration of 18.3 ug/m^3
- 2,2,4–trimethylpentane was detected in one (1) soil vapor sample a concentration of 11.2 ug/m^3
- 1,2,4–trimethylbenzene was detected in six (6) soil vapor samples ranging from 3.23 ug/m^3 to a maximum concentration of 34.4 ug/m^3
- 1,3,5–trimethylbenzene was detected in four (4) soil vapor samples ranging from 1.24 ug/m^3 to a maximum concentration of 9.83 ug/m^3
- o-xylene was detected in six (6) soil vapor samples ranging from 0.873 ug/m^3 to a maximum concentration of 10.9 ug/m^3
- m, p-xylene was detected in five (5) soil vapor samples ranging from 1.8 ug/m^3 to a maximum concentration of 20.3 ug/m^3
- heptane was detected in six (6) soil vapor samples ranging from 0.897 ug/m^3 to a maximum concentration of 379 ug/m^3
- hexane was detected in eight (8) soil vapor samples ranging from 3.74 ug/m^3 to a maximum concentration of 423 ug/m^3
- toluene was detected in seven (7) soil vapor samples ranging from 3.24 ug/m^3 to a maximum concentration of 61.4 ug/m^3

Chlorinated VOCs

- PCE was detected in seven (7) soil vapor samples ranging from 1.97 ug/m^3 to a maximum concentration of 685 ug/m^3.
- TCE was detected in one (1) soil vapor sample a concentration of 353 ug/m^3.
- 1,1,1 TCA, was detected in five (5) soil vapor samples ranging from 1.1 ug/m^3 to a maximum concentration of 655 ug/m^3.
- 1,1-DCE was detected in one (1) soil vapor sample at a concentration of 4 ug/m^3.
- Carbon tetrachloride was detected in three (3) soil vapor samples ranging from 1.66 ug/m^3 to a maximum concentration of 4.34 ug/m^3.
- Cis 1,2-DCE was detected in one (1) soil vapor sample at a concentration of 81.3 ug/m^3.
- Methylene chloride was detected in five (5) soil vapor samples ranging from 2.25 ug/m^3 to a maximum concentration of 63.2 ug/m^3.
- Vinyl chloride was detected in one (1) soil vapor sample at a concentration of 0.87 ug/m^3.

The highest concentration of petroleum-related VOCs and cVOCs were detected at SV-34 located along the western sidewalk, mid-block along River Avenue.

4.9.3.2 Additional Off-site Groundwater and Soil Vapor Delineation Work Plan - April to September 2024

The Off-Site RI / SVE Pilot WP sampling results are summarized in **Table 13**. As shown on **Figure 7B**, the sample locations were beneath the sidewalk on the west side of River Avenue across from the Site, beneath the east side of River Avenue adjoining the Site, and beneath the sidewalk on the west side of Gerard Avenue adjoining the Site.

Petroleum-Related VOCs

- Benzene was detected in three (3) soil vapor samples ranging from 2.92 ug/m^3 to a maximum concentration of 29.5 ug/m^3.

- Ethylbenzene was detected in two (2) soil vapor samples ranging from 1.73 ug/m^3 to a maximum concentration of 4.11 ug/m^3.
- Cyclohexane was detected in three (3) soil vapor samples ranging from 3.79 ug/m^3 to a maximum concentration of 15.9 ug/m^3.
- 2,2,4–trimethylpentane was detected in two (2) soil vapor samples ranging from 2.29 ug/m^3 to a maximum concentration of 3.87 ug/m^3.
- 1,2,4–trimethylbenzene was detected in two (2) soil vapor samples ranging from 6.78 ug/m^3 to a maximum concentration of 9.83 ug/m^3.
- 1,3,5–trimethylbenzene was detected in two (2) soil vapor samples ranging from 2.18 ug/m^3 to a maximum concentration of 3.68 ug/m^3.
- o-xylene was detected in in two (2) soil vapor samples ranging from 3.11 ug/m^3 to a maximum concentration of 5.39 ug/m^3.
- m, p -xylene was detected in two (2) soil vapor samples ranging from 5.43 ug/m^3 to a maximum concentration of 14.4 ug/m^3.
- heptane was detected in three (3) soil vapor samples ranging from 4.14 ug/m^3 to a maximum concentration of 35.1 ug/m^3
- hexane was detected in three (3) soil vapor samples ranging from 6.84 ug/m^3 to a maximum concentration of 101 ug/m^3
- toluene was detected in three (3) soil vapor samples ranging from 4.6 ug/m^3 to a maximum concentration of 19.1 ug/m^3

Chlorinated VOCs

- PCE was detected in three (3) soil vapor samples ranging from 8.34 ug/m^3 to a maximum concentration of 909 ug/m^3.
- TCE was detected in three (3) soil vapor samples ranging from 11.6 ug/m^3 to a maximum concentration of 206 ug/m^3.
- 1,1,1 TCA, was detected in three (3) soil vapor samples ranging from 3.04 ug/m^3 to a maximum concentration of 1,170 ug/m^3.
- 1,1-DCE was detected in one (1) soil vapor sample at a concentration of 7.02 ug/m^3.
- Cis 1,2 DCE was detected in one (1) soil vapor sample at a concentration of 288 ug/m^3.
- Methylene chloride was detected in one (1) soil vapor sample at a concentration of 9.1 ug/m^3.
- Vinyl chloride was detected in one (1) soil vapor sample at a concentration of 25.4 ug/m^3.

Post-remedial action soil vapor intrusion samples will be collected as part of the monitoring for the SMP. The Post-Remedial Soil Vapor Intrusion Sample Locations are shown in **Figure 7**.

4.10 SITE COVER SYSTEM

Exposure to remaining contamination at the site is prevented by a site cover system placed over the site.

The cover system consists of a 12-inch clean granular gravel beneath the building footprint, and minimum 8-inch concrete slab. Under the building footprint a chemical vapor barrier was installed to make the active SSDS more efficient.

Outside the building the Site cover system consists of a minimum of two feet of clean soil over an orange snow fence demarcation layer as shown on **Figure 8**. Several areas around the building foundation were backfilled with

over six feet of clean fill. In addition, a concrete slab was poured in the area of the electrical vault to connect the vault area to the exiting adjacent sidewalk after the installation of the vault.

On April 16, 2024(with additional sampling documentation provided on June 10, 2024), a request to reuse 4,000 CY of excavated material was made to the NYSDEC. On October 10, 2025, a request to reuse approximately 10 CY of material was made to the NYSDEC. Testing was performed on the excavated materials. It met the lower of RRSCOs or PGSCOs as indicated in Appendix 5 of DER-10.

Additional backfill material, such as gas permeable aggregate (GPA) from Tilcon, West Nyack, Quarry, was requested for ancillary use. Both materials were subsequently approved by the NYSDEC. A demarcation layer was placed at the base of excavation for all areas excavated as shown on **Figure 8**, and then backfilled with either reuse material or approved imported material as shown on **Figure 9**. A copy of the material characterization reports, request to reuse form, and NYSDEC approval are provided in **Appendix M**.

Figure 10 shows the extent and detail of the cover system. The as-built diagram showing the depths of the demarcation is included in **Figure 8**. The request to reuse / import documentation and NYSDEC approvals are included in **Appendix M**. Final hardscape courtyards, landscaping plantings, and an asphalt driveway will be constructed above the final site cover and will not penetrate the demarcation layer. The minimum of 24 inches of clean fill above the demarcation layer will be maintained during the installation of final landscaping, and Builder's Pavement Plan.

The Excavation Work Plan (EWP) provided in Appendix C of the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) provided in Appendix F of the SMP and associated Community Air Monitoring Plan (CAMP) provided in Appendix G of the SMP. Any breach of the site's cover system must be overseen by a Professional Engineer (PE) who is licensed and registered in New York State or a qualified person who directly reports to a PE who is licensed and registered in New York State.

4.11 OTHER ENGINEERING CONTROLS

Since remaining contaminated soil groundwater and soil vapor exist beneath the site, Engineering Controls (EC) are required to protect human health and the environment. The site has the following primary Engineering Controls, as described in the following subsections.

4.11.1 Sub-slab Depressurization System

An active SSDS is installed under the building foundation to prevent the potential migration of vapors into the building. The SSDS was incorporated into the design of the new building and installed during construction as detailed in the RAWP. A system startup test was performed on September 23, 2025. The SSDS demonstrated a uniform flow field at all seven monitoring points (MP-01 through MP-07) and all seven vertical risers (VR-01 through VR-07). The two SSDS fans (SF-1 and SF-2) were set to a frequency that provides over 2 inches of water column (in. w.c.) vacuum at all riser locations, and this uniform depressurization was measured at all monitoring points installed into the gas permeable aggregate layer of the SSDS. A memo summarizing the results of the system startup is included in **Appendix V**.

To improve the efficiency of the SSDS, the design includes the installation of a chemical vapor barrier membrane on the subgrade foundation. The vapor membrane barrier consists of 46-mil GCP® Preprufe below the slab under the full building area and outside sub-grade foundation sidewalls.

The SSDS consists of sixteen (16) SSDS pits set in the middle of a gas permeable layer immediately beneath the building slab and vapor barrier system. The gas permeable layer consists of a 12-inch-thick gas permeable aggregate layer of ¾-inch gravel. The horizontal piping consists of solid schedule 40 4-inch diameter PVC pipe connected to seven 6-inch diameter cast iron vertical riser pipes that penetrate the slab and travels through the building to the first-floor ceiling. The seven vertical risers are manifolded on the first floor to two 6-inch diameter cast iron vertical riser pipes to the roof.

As of September 23, 2025, the two fans were installed and finished with exhaust stacks finished above the roof line with a stainless-steel vent cap to prevent rain infiltration. For the active SSDS, the system is monitored by pressure gauges and a local alarm panel located in an accessible area of the basement, which will provide remote telemetry of measurements of the vacuum draw on the under-slab gas permeable aggregate layer. In addition, to the local alarm panel the SSDS fan operation will be monitored by the Building Monitoring System (BMS) along with other heating, ventilation, and air conditioning (HVAC) equipment by the building superintendent.

Each exhaust stack (two total) consists of 6-inch galvanized steel, contains a chimney cap, and is at least 10 feet from any operable window or public space. The exhaust stack elevation is higher than any occupiable space on the final building design.

A warning light is provided for the building and located to allow for the notification of the building superintendent if the SSDS fans are not operating. Start-up and system performance verification procedures have been completed and confirmed that there is no need for treatment of effluent vapors. Each soil vapor monitoring point (identified as MP-01 through MP-07 on **Figure 7**) shall have a minimum pressure differential of -0.004 in. w.c. Performance of start-up testing was performed on September 23, 2025, and sufficient vacuum in sub-slab monitoring points was confirmed. A memorandum summarizing the results of the performance testing is included in **Appendix V**. Indoor air sampling (identified as IA-01 through IA-07 on **Figure 7**) occur during the first post-COC heating season, no earlier than January 3, 2026 (30 days after start-up on December 3, 2025), and communicated to NYSDEC and NYSDOH upon completion. The results will also be documented in the corresponding Periodic Review Report (PRR).

Procedures for operating and maintaining the SSDS is documented in the Operation and Maintenance Plan (Section 5.0 of the SMP). As-built drawings, signed and sealed by a PE who is licensed and registered in New York State, are in the Operation and Maintenance Manual included in the SMP. **Figure 7** shows the location and layout of the SSDS and the SVE System along with the proposed Indoor Air Sampling and Outdoor Air sampling locations that will be included in the Post-Remedial Action Soil Vapor Intrusion sampling under the SMP. On December 3, 2025, the SSDS commenced operating and continues working.

4.11.2 Soil Vapor Extraction (SVE) System

In addition to the SSDS, an active soil vapor extraction (SVE) system was also installed to address the area of elevated vapor concentrations along the northwest side of the property and to prevent potential off-Site migration of contaminated soil vapor. The SVE system was incorporated into the design of the new building and was installed during construction, as detailed in the FER. On September 23, 2025, a SVE system was started-up and tested. On December 3, 2025, the SVE system commenced operating and continues working.

The SVE system includes two horizontal sections of perforated, schedule 40 PVC pipe. The perforated PVC sections are placed at two separate elevations, an upper and lower section and are connected by four solid PVC riser pipes. The upper perforated PVC section is at invert EL +13.8 feet NAVD88 and the lower perforated PVC section elevation is at invert EL +9.3 feet NAVD88. The upper and lower sections are connected in one trench backfilled with gas permeable aggregate. The area above the gas permeable aggregate contains clean sand to grade. The SVE system piping contains a solid PVC header pipe that sleeves through the building exterior at the elevation of the cellar roof. Within the interior of the building, the SVE piping contains a single 8-inch galvanized steel pipe that routes to the mechanical room on the roof level that house the SVE blower (SF-3), as well as the two SSDS fans electrical equipment, alert system, and two high activated carbon (HAC) vapor-phase treatment drums. The proposed full-scale SVE system is run by a single blower capable of a flow rate of 180 cubic feet per minute (cfm). Similar to the SSDS, the SVE system blower operation is monitored by the local alarm panel and the BMS. These panels provide remote telemetry and will be monitored by the on-site building superintendent.

The SVE blower is an OBAR Model GBR123 Compact Radial Blower capable of a flow rate of 180 cfm with at least 13-inches of water column head loss. An electronic alert system (i.e., the local alarm panel) was installed per manufacturer's specifications and with products compatible with the OBAR GBR123 Compact Radial Blower system.

Two HAC drums in series are installed between the SVE riser and SVE blower to treat the soil vapor prior to exhaust. The HAC drums each contain 200 pounds of high activated carbon and are rated for flows up to 500 cfm. Each air purifying canister is equipped with:

1. 4-inch diameter inlet and outlet connections and a 3/4-inch diameter condensate drain outlet on the side
2. Internal PVC piping provided by the manufacturer.

The SVE blower is connected to a single exhaust stack that is located at least 10 feet from any operable window or public space. The exhaust stack elevation is higher than any occupiable space on the final building design. In general, the SVE system is located along the western property line parallel with River Avenue where elevated levels of soil vapor were observed prior to the completion of the IRM. Pre- , mid-, and post-HAC drum effluent sampling will be performed on a quarterly basis until the carbon usage rate is established to confirm emissions limits are not exceeded and to inform HAC drum changes. Sampling will be done minimum in accordance with the SMP.

Each soil vapor monitoring point (identified as MP-08 to MP-12 on **Figure 7**) shall have a minimum pressure differential of -0.1 in. w.c. On September 23, 2025, start up and system performance verification procedures have been completed to evaluate the need for treatment of effluent vapors and have determined that treatment of effluent is required. The results of the startup test are included in **Appendix V**. On December 3, 2025, the SSDS commenced operating and continues working.

Procedures for operating and maintaining the SVE system is documented in the Operation and Maintenance Plan (see Section 5.0 of the SMP). As-built drawings, signed and sealed by a PE who is licensed and registered in New York State, are included in the As-Built and Component Manual included in the SMP. **Figure 7** show the location and layout of the SVE system as well as the proposed soil vapor monitoring point sample locations and the outdoor air sample locations, and roof top sample locations that will be included in the Post-Remedial Action Soil Vapor

Intrusion sampling under the SMP. The treatment drums will be sampled during the Post-Remedial Action Soil Vapor Intrusion sampling, no earlier than January 3, 2026 (30 days after start-up on December 3, 2025), and communicated to NYSDEC and NYSDOH upon completion. The results will also be documented in the corresponding Periodic Review Report (PRR).

4.11.3 SSDS AND SVE System Start-Up

On September 23, 2025, start-up and system performance verification procedures have been completed to evaluate the need for treatment of effluent vapors and have determined that treatment of effluent were not required based on the pilot testing. However, treatment system was included on the SVE system effluent until sampling determines effluent conditions during operation. The results of the startup test are included in **Appendix V**. The entire building slab is depressurized with complete and effective communication between the sub-slab monitoring points and the vertical risers.

Table G- Summary of Vacuum Readings

Monitoring Point Location	Unit	Vacuum Reading
SSDS Vertical Risers		
VR-01	In W.C	-2.20
VR-02	In W.C	-2.40
VR-03	In W.C	-2.35
VR-04	In W.C	-2.40
VR-05	In W.C	-2.20
VR-06	In W.C	-2.30
VR-07	In W.C	-2.40
SSDS Monitoring Points		
MP-01	In W.C.	-2.00
MP-02	In W.C.	-2.00
MP-03	In W.C.	-1.90
MP-04	In W.C.	-2.05
MP-05	In W.C.	-2.02
MP-06	In W.C.	-2.03
MP-07	In W.C.	-1.92
SVE System		
VR-SVE	In W.C.	-5.0
Pre-HAC	In W.C.	-5.0
Post-HAC	In W.C.	-5.5
MP-08	In W.C.	0.03
MP-09	In W.C.	0.002
MP-10	In W.C.	0.002
MP-11	In W.C.	0.006
MP-12	In W.C.	0.002

Note: VR- Vertical Riser
HAC – High Activated Carbon
MP- Monitoring Point

4.11.4 Monitoring Wells associated with Groundwater Treatment

According to the May 2025 Decision Document, the SMP's objective is to assess the performance and effectiveness of the remedy. The NYSDEC-approved plan includes, but is not be limited to:

- monitoring of groundwater to assess the performance and effectiveness of the remedy. If necessary, additional groundwater treatment may be implemented; and

- a schedule of monitoring and frequency of submittals to the NYSDEC.

Groundwater monitoring activities to assess RegenOx® direct application will continue, as determined by the NYSDEC project manager in consultation with NYSDOH project manager, until residual groundwater concentrations are found to be consistently below ambient water quality standards or the site SCGs, or have become asymptotic at an acceptable level over an extended period. A minimum of 8 quarterly post-treatment groundwater monitoring samples (Well IDs MW-01, MW-02, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, and MW-19) are required per DER-10. Groundwater monitoring data will be evaluated after 8 rounds of groundwater monitoring to determine if additional groundwater treatment is warranted. Procedures for monitoring, operating and maintaining the groundwater treatment system are provided in the Operation and Maintenance Plan in Section 4.4 of the SMP. If monitoring data indicates that monitoring may no longer be required, a proposal to discontinue the remedy will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC project manager. The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

5.0 INSTITUTIONAL CONTROLS

A series of ICs is required by the NYSDEC's May 2025 Decision Document to: (1) implement, maintain, and monitor Engineering Control (ECs) systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the site to restricted-residential, commercial and industrial uses only. Adherence to these ICs on the site is required by the Environmental Easement (EE) and will be implemented under the SMP.

The Environmental Easement for the Site was executed by the Department on October 8, 2025, and filed with the New York City County Clerk on October 29, 2025. The County Recording Identifier number for this filing is Register File No. 2022000033336. A copy of the easement and proof of filing is provided in **Appendix A**.

ICs identified in the EE may not be discontinued without an amendment to or extinguishment of the EE. The IC boundaries are shown on **Figure 2**. These ICs are:

- The Site may be used for restricted residential (including a school), commercial, and industrial only, provided the long-term ECs and ICs included in the SMP are employed;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene (NYCDOHMH) to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from NYSDEC;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities on the Site that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;

- Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on **Figure 2**, and any potential impacts that are identified must be monitored or mitigated
- Vegetable gardens and farming on the site are prohibited; and
- An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

6.0 DEVIATIONS FROM THE WORK PLANS

There were no substantive deviations from the approved IRM Work Plans and RAWP in the performance of the remedial action described herein. However, the following details are provided for clarification.

1. The remedial activities performed during the IRMs were not summarized in a Construction Completion Report (CCR). The NYSDEC project manager agreed that the timing of the FER submittal made the post-IRM CCR submittal redundant.

2. During several Quarters of Post-Treatment Groundwater Monitoring not all of the monitoring wells were accessible during all four quarters for either groundwater gauging (MW-01, MW-13, MW-02, and MW-18), or groundwater sampling (MW-02 and MW-18). However, groundwater monitoring was able to demonstrate post-treatment concentration reductions in the groundwater concentrations despite the missing data.

3. The Quarterly Post-Treatment Groundwater Monitoring was summarized in a single annual report, which was submitted to the NYSDEC on October 7, 2025. This annual report examined concentration trends and made recommendations for groundwater monitoring during the SMP based on the findings.

4. An Order on Consent (Case No. PBS.2-609485.01.2026) was issued by the NYSDEC for failure to register the PBS facility as closed after building demolition by the former owner's contractors as required by 6 NYCRR 613-1.9. On November 24, 2025, 586 River Ave., LLC remitted the civil penalty and responded to the Order on Consent with the tank closure documentation for the 10,000-gallon AST, and three other previously unregistered ASTs, which were encountered in the former Site building during demolition in November 2023.

TABLES

Table 1
Community Air Monitoring Plan (CAMP) Noted Detections and Exceedances

101 East 150th Street, Bronx, New York
BCP Site No. C203154

Date	Type	Level	Exceedance Threshold	Summary & Corrective Actions Taken
July 19, 2023	Dust	124 ug/m^3	150 ug/m^3	Exceedances in particulates were detected throughout the day due to smoke from Canadian wildfires. These exceedances were not indicative of site conditions.
July 20, 2023	Dust	204 ug/m^3	150 ug/m^3	Exceedances in particulates were detected at the beginning of the day due to smoke from Canadian wildfires. These exceedances were not indicative of site conditions.
July 27, 2023	Dust	186.89 ug/m^3	150 ug/m^3	Dust exceedance at the upwind CAMP station as a prestart condition, prior to construction activities beginning for the day. Dust exceedance occurred during system warmup.
July 31, 2023	VOC	10.87 ppm	5.0 ppm	The VOC exceedances noted during this monitoring period were due to calibration/re-calibration of CAMP station equipment. They were not indicative of site conditions as levels fell below threshold upon end of calibration.
February 5, 2024	VOC	5.65 ppm	5.0 ppm	A VOC exceedance occured on the upwind station due to recalibration of the equipment. It was not indicative of site conditions.
April 22, 2024	Dust	134.4 ug/m^3	150 ug/m^3	A VOC exceedance occured on the downwind station due to concrete sidewalk cutting. Dust suppression measures were implemented, and the dust levels fell below threshold

Note: Community Air Monitoring Program (CAMP performed continously with two mounted CAMP Stations from July 24, 2023 until September 17, 2024, and as-needed intermittently during intrusive activties with handheld meters from October 2024 until December 2025.

VOCs - volatile organic compounds
ug/m3 - micrograms per cubic meter
ppm - parts per million

Table 2
Soil Cleanup Objectives

101 East 150th Street, Bronx, New York
BCP Site No. C203154

Analyte	NYCRR Part 375 Unrestricted Use Criteria	NYCRR Part 375 Restricted Residential Use Criteria	NYCRR Part 375 Protection of Groundwater Criteria
Volatile Organics by EPA 5035 (mg/kg)			
1,1,1,2-Tetrachloroethane	~	~	~
1,1,1-Trichloroethane	0.68	100	0.68
1,1,2,2-Tetrachloroethane	~	~	~
1,1,2-Trichloroethane	~	~	~
1,1-Dichloroethane	0.27	26	0.27
1,1-Dichloroethene	0.33	100	0.33
1,1-Dichloropropene	~	~	~
1,2,3-Trichlorobenzene	~	~	~
1,2,3-Trichloropropane	~	~	~
1,2,4,5-Tetramethylbenzene	~	~	~
1,2,4-Trichlorobenzene	~	~	~
1,2,4-Trimethylbenzene	3.6	52	3.6
1,2-Dibromo-3-chloropropane	~	~	~
1,2-Dibromoethane	~	~	~
1,2-Dichlorobenzene	1.1	100	1.1
1,2-Dichloroethane	0.02	3.1	0.02
1,2-Dichloroethene, Total	~	~	~
1,2-Dichloropropane	~	~	~
1,3,5-Trimethylbenzene	8.4	52	8.4
1,3-Dichlorobenzene	2.4	49	2.4
1,3-Dichloropropane	~	~	~
1,3-Dichloropropene, Total	~	~	~
1,4-Dichlorobenzene	1.8	13	1.8
1,4-Dioxane	0.1	13	0.1
2,2-Dichloropropane	~	~	~
2-Butanone	0.12	100	0.12
2-Hexanone	~	~	~
4-Methyl-2-pentanone	~	~	~
Acetone	0.05	100	0.05
Acrylonitrile	~	~	~
Benzene	0.06	4.8	0.06
Bromobenzene	~	~	~
Bromochloromethane	~	~	~
Bromodichloromethane	~	~	~
Bromoform	~	~	~
Bromomethane	~	~	~
Carbon disulfide	~	~	~
Carbon tetrachloride	0.76	2.4	0.76
Chlorobenzene	1.1	100	1.1
Chloroethane	~	~	~
Chloroform	0.37	49	0.37
Chloromethane	~	~	~
cis-1,2-Dichloroethene	0.25	100	0.25
cis-1,3-Dichloropropene	~	~	~
Dibromochloromethane	~	~	~
Dibromomethane	~	~	~
Dichlorodifluoromethane	~	~	~
Ethyl ether	~	~	~
Ethylbenzene	1	41	1
Hexachlorobutadiene	~	~	~
Isopropylbenzene	~	~	~
Methyl tert butyl ether	0.93	100	0.93
Methylene chloride	0.05	100	0.05
n-Butylbenzene	12	100	12
n-Propylbenzene	3.9	100	3.9
Naphthalene	12	100	12
o-Chlorotoluene	~	~	~
o-Xylene	~	~	~
p-Chlorotoluene	~	~	~
p-Diethylbenzene	~	~	~
p-Ethyltoluene	~	~	~
p-Isopropyltoluene	~	~	~
p/m-Xylene	~	~	~
sec-Butylbenzene	11	100	11
Styrene	~	~	~
tert-Butylbenzene	5.9	100	5.9
Tetrachloroethene	1.3	19	1.3
Toluene	0.7	100	0.7
trans-1,2-Dichloroethene	0.19	100	0.19
trans-1,3-Dichloropropene	~	~	~
trans-1,4-Dichloro-2-butene	~	~	~
Trichloroethene	0.47	21	0.47
Trichlorofluoromethane	~	~	~
Vinyl acetate	~	~	~
Vinyl chloride	0.02	0.9	0.02
Xylenes, Total	0.26	100	1.6

Table Notes:

mg/kg: Milligrams per Kilogram.
~ : No Standards or Guidance Value.

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Table 2
Soil Cleanup Objectives

101 East 150th Street, Bronx, New York
BCP Site No. C203154

Analyte	NYCRR Part 375 Unrestricted Use Criteria	NYCRR Part 375 Restricted Residential Use Criteria	NYCRR Part 375 Protection of Groundwater Criteria
Semivolatile Organics by GC/MS (mg/kg)			
1,2,4,5-Tetrachlorobenzene	~	~	~
1,2,4-Trichlorobenzene	~	~	~
1,2-Dichlorobenzene	1.1	100	1.1
1,3-Dichlorobenzene	2.4	49	2.4
1,4-Dichlorobenzene	1.8	13	1.8
1,4-Dioxane	0.1	13	0.1
2,4,5-Trichlorophenol	~	~	~
2,4,6-Trichlorophenol	~	~	~
2,4-Dichlorophenol	~	~	~
2,4-Dimethylphenol	~	~	~
2,4-Dinitrophenol	~	~	~
2,4-Dinitrotoluene	~	~	~
2,6-Dinitrotoluene	~	~	~
2-Chloronaphthalene	~	~	~
2-Chlorophenol	~	~	~
2-Methylnaphthalene	~	~	~
2-Methylphenol	0.33	100	0.33
2-Nitroaniline	~	~	~
2-Nitrophenol	~	~	~
3,3'-Dichlorobenzidine	~	~	~
3-Methylphenol/4-Methylphenol	0.33	100	0.33
3-Nitroaniline	~	~	~
4,6-Dinitro-o-cresol	~	~	~
4-Bromophenyl phenyl ether	~	~	~
4-Chloroaniline	~	~	~
4-Chlorophenyl phenyl ether	~	~	~
4-Nitroaniline	~	~	~
4-Nitrophenol	~	~	~
Acenaphthene	20	100	98
Acenaphthylene	100	100	107
Acetophenone	~	~	~
Anthracene	100	100	1000
Benzo(a)anthracene	1	1	1
Benzo(a)pyrene	1	1	22
Benzo(b)fluoranthene	1	1	1.7
Benzo(ghi)perylene	100	100	1000
Benzo(k)fluoranthene	0.8	3.9	1.7
Benzoic Acid	~	~	~
Benzyl Alcohol	~	~	~
Biphenyl	~	~	~
Bis(2-chloroethoxy)methane	~	~	~
Bis(2-chloroethyl)ether	~	~	~
Bis(2-chloroisopropyl)ether	~	~	~
Bis(2-ethylhexyl)phthalate	~	~	~
Butyl benzyl phthalate	~	~	~
Carbazole	~	~	~
Chrysene	1	3.9	1
Di-n-butylphthalate	~	~	~
Di-n-octylphthalate	~	~	~
Dibenzo(a,h)anthracene	0.33	0.33	1000
Dibenzofuran	7	59	210
Diethyl phthalate	~	~	~
Dimethyl phthalate	~	~	~
Fluoranthene	100	100	1000
Fluorene	30	100	386
Hexachlorobenzene	0.33	1.2	3.2
Hexachlorobutadiene	~	~	~
Hexachlorocyclopentadiene	~	~	~
Hexachloroethane	~	~	~
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2
Isophorone	~	~	~
n-Nitrosodi-n-propylamine	~	~	~
Naphthalene	12	100	12
NDPA/DPA	~	~	~
Nitrobenzene	~	~	~
p-Chloro-m-cresol	~	~	~
Pentachlorophenol	0.8	6.7	0.8
Phenanthrene	100	100	1000
Phenol	0.33	100	0.33
Pyrene	100	100	1000

Table Notes:

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Table 2
Soil Cleanup Objectives

101 East 150th Street, Bronx, New York
BCP Site No. C203154

Analyte	NYCRR Part 375 Unrestricted Use Criteria	NYCRR Part 375 Restricted Residential Use Criteria	NYCRR Part 375 Protection of Groundwater Criteria
Total Metals (mg/kg)			
Aluminum, Total	~	~	~
Antimony, Total	~	~	~
Arsenic, Total	13	16	16
Barium, Total	350	400	820
Beryllium, Total	7.2	72	47
Cadmium, Total	2.5	4.3	7.5
Calcium, Total	~	~	~
Chromium, Total	~	~	~
Cobalt, Total	~	~	~
Copper, Total	50	270	1720
Iron, Total	~	~	~
Lead, Total	63	400	450
Magnesium, Total	~	~	~
Manganese, Total	1600	2000	2000
Mercury, Total	0.18	0.81	0.73
Nickel, Total	30	310	130
Potassium, Total	~	~	~
Selenium, Total	3.9	180	4
Silver, Total	2	180	8.3
Sodium, Total	~	~	~
Thallium, Total	~	~	~
Vanadium, Total	~	~	~
Zinc, Total	109	10000	2480

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Chlorinated Herbicides by GC (mg/kg)			
2,4,5-T	~	~	~
2,4,5-TP (Silvex)	3.8	100	3.8
2,4-D	~	~	~
General Chemistry			
Cyanide, Total (mg/kg)	27	27	40
Solids, Total (%)	~	~	~
Organochlorine Pesticides by GC (mg/kg)			
4,4'-DDD	0.0033	13	14
4,4'-DDE	0.0033	8.9	17
4,4'-DDT	0.0033	7.9	136
Aldrin	0.005	0.097	0.19
Alpha-BHC	0.02	0.48	0.02
Beta-BHC	0.036	0.36	0.09
Chlordane	~	~	~
cis-Chlordane	0.094	4.2	2.9
Delta-BHC	0.04	100	0.25
Dieldrin	0.005	0.2	0.1
Endosulfan I	2.4	24	102
Endosulfan II	2.4	24	102
Endosulfan sulfate	2.4	24	1000
Endrin	0.014	11	0.06
Endrin aldehyde	~	~	~
Endrin ketone	~	~	~
Heptachlor	0.042	2.1	0.38
Heptachlor epoxide	~	~	~
Lindane	0.1	1.3	0.1
Methoxychlor	~	~	~
Toxaphene	~	~	~
trans-Chlordane	~	~	~
Polychlorinated Biphenyls by GC (mg/kg)			
Aroclor 1016	0.1	1	3.2
Aroclor 1221	0.1	1	3.2
Aroclor 1232	0.1	1	3.2
Aroclor 1242	0.1	1	3.2
Aroclor 1248	0.1	1	3.2
Aroclor 1254	0.1	1	3.2
Aroclor 1260	0.1	1	3.2
Aroclor 1262	0.1	1	3.2
Aroclor 1268	0.1	1	3.2
PCBs, Total	0.1	1	3.2

Table Notes:

mg/kg: Milligrams per Kilogram.

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Table 2
Soil Cleanup Objectives

101 East 150th Street, Bronx, New York
BCP Site No. C203154

Analyte	NYCRR Part 375 Unrestricted Use Criteria	NYCRR Part 375 Restricted Residential Use Criteria	NYCRR Part 375 Protection of Groundwater Criteria
Per- and polyfluoro Alkyl Substances by EPA 1633 (mg/kg)			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	~	~	~
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	~	~	~
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	~	~	~
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	~	~	~
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	~	~	~
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	~	~	~
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	~	~	~
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	~	~	~
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	~	~	~
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	~	~	~
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	~	~	~
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	~	~	~
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	~	~	~
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	~	~	~
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	~	~	~
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	~	~	~
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	~	~	~
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	~	~	~
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	~	~	~
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	~	~	~
Perfluorobutanesulfonic Acid (PFBS)	~	~	~
Perfluorobutanoic Acid (PFBA)	~	~	~
Perfluorodecanesulfonic Acid (PFDS)	~	~	~
Perfluorodecanoic Acid (PFDA)	~	~	~
Perfluorododecanesulfonic Acid (PFDoS)	~	~	~
Perfluorododecanoic Acid (PFDoA)	~	~	~
Perfluoroheptanesulfonic Acid (PFHpS)	~	~	~
Perfluoroheptanoic Acid (PFHpA)	~	~	~
Perfluorohexanesulfonic Acid (PFHxS)	~	~	~
Perfluorohexanoic Acid (PFHxA)	~	~	~
Perfluorononanesulfonic Acid (PFNS)	~	~	~
Perfluorononanoic Acid (PFNA)	~	~	~
Perfluorooctanesulfonamide (PFOSA)	~	~	~
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011
Perfluoropentanesulfonic Acid (PFPeS)	~	~	~
Perfluoropentanoic Acid (PFPeA)	~	~	~
Perfluorotetradecanoic Acid (PFTeDA)	~	~	~
Perfluorotridecanoic Acid (PFTrDA)	~	~	~
Perfluoroundecanoic Acid (PFUnA)	~	~	~

Table Notes:

mg/kg: Milligrams per Kilogram.
~ : No Standards or Guidance Value.

NYCRR Part 375 Unrestricted Use Criteria:	New York NYCRR Part 375 New York Unrestricted Use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006, and updated fro Per- polyfluoro alkyl substances (PFAS) , April 2023
NYCRR Part 375 Restricted Residential Use Criteria:	New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted Use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006 , and updated fro Per- polyfluoro alkyl substances (PFAS) , April 2023
NYCRR Part 375 Protection of Groundwater Use Criteria:	New York NYCRR Part 375 Protection of Groundwater Use Criteria, New York Restricted Use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006 , and updated fro Per- polyfluoro alkyl substances (PFAS) , April 2023

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-06		EP-07		EP-08	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2351329-06		L2351329-05		L2355164-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		9/5/2023		9/5/2023		9/20/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0022		0.00035	J	0.0024		0.0023		0.00033	J	0.00051	U	0.00045	U	0.00078	
1,1,2,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
1,1-Dichloroethane	0.27	26	0.27	0.00046	J	0.00099	U	0.00041	J	0.00091		0.0011	U	0.001	U	0.0009	U	0.0016	
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
1,1-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
1,2,3-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2,3-Trichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2,4-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.003	U	0.0029	U	0.0024	U	0.0033	U	0.003	U	0.0027	U	0.0026	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.001	U	0.00096		0.0058	
1,2-Dichloropropane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,3-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,3-Dichloropropene, Total	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
1,4-Dioxane	0.1	13	0.1	0.083	U	0.079	U	0.077	U	0.064	U	0.088	U	0.081	U	0.072	U	0.07	U
2,2-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
2-Butanone	0.12	100	0.12	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
2-Hexanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
Acetone	0.05	100	0.05	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
Acrylonitrile	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
Benzene	0.06	4.8	0.06	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
Bromobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Bromochloromethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Bromodichloromethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
Bromoform	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
Bromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Carbon disulfide	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Chlorobenzene	1.1	100	1.1	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
Chloroethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Chloroform	0.37	49	0.37	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.0015	U	0.0013	U	0.0013	U
Chloromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.001	U	0.00096		0.0058	
cis-1,3-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.00051	U	0.00045	U	0.00044	U
Dibromochloromethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Dibromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
Ethyl ether	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Ethylbenzene	1	41	1	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Hexachlorobutadiene	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
Isopropylbenzene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Methyl tert butyl ether	0.93	100	0.93	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Methylene chloride	0.05	100	0.05	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	0.0051	U	0.0045	U	0.0044	U
n-Butylbenzene	12	100	12	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Naphthalene	12	100	12	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
o-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
o-Xylene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
p-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
p-Diethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
p-Ethyltoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
p-Isopropyltoluene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
p/m-Xylene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
sec-Butylbenzene	11	100	11	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Styrene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	0.002	U	0.0018	U	0.0018	U
Tetrachloroethene	1.3	19	1.3	0.0017		0.001		0.0015		0.0012		0.0027		0.00051	U	0.00045	U	0.00096	
Toluene	0.7	100	0.7	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.0015	U	0.0013	U	0.0013	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	0.0051	U	0.0045	U	0.0044	U
Trichloroethene	0.47	21	0.47	0.00021	J	0.00049	U	0.0013		0.0028		0.00076		0.00051	U	0.002		0.0061	
Trichlorofluoromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	0.004	U	0.0036	U	0.0035	U
Vinyl acetate	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	0.01	U	0.009	U	0.0088	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.001	U	0.0009	U	0.00088	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09		EP-09A		EP-10		EP-11		EP-12		EP-13		EP-14		EP-15		EP-15A		EP-16	
LAB SAMPLE ID				L2355164-07		L2365609-03		L2365609-01		L2355164-06		L2355164-04		L2355164-03		L2351329-07		L2355164-08		L2365609-04		L2351329-04	
DATE				9/20/2023		11/3/2023		11/3/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023		9/20/2023		11/3/2023		9/5/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																							
1,1,1,2-Tetrachloroethane	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0015		0.00044	U	0.00022	J	0.00046	U	0.00045	U	0.0003	J	0.00052	U	0.4		0.00047	U	0.00052	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
1,1,2-Trichloroethane	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.00051	J	0.00088	U	0.00093	U	0.00029	J	0.00041	J	0.00021	J	0.001	U	**0.28**		0.00094	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.022	J	0.00094	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
1,2,3-Trichlorobenzene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,2,3-Trichloropropane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.011	J	0.0019	U	0.0021	U
1,2,4-Trichlorobenzene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0026	U	0.0026	U	0.0028	U	0.0027	U	0.0027	U	0.0028	U	0.0031	U	0.073	U	0.0028	U	0.0031	U
1,2-Dibromoethane	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.0046		0.00088	U	0.00093	U	0.0017		0.00065	J	0.0013	J	0.001	U	0.86	J	0.00049	J	0.0025	
1,2-Dichloropropane	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,3-Dichloropropane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,3-Dichloropropene, Total	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
1,4-Dioxane	0.1	13	0.1	0.07	U	0.07	U	0.075	U	0.073	U	0.072	U	0.074	U	0.084	U	1.9	U	0.075	U	0.084	U
2,2-Dichloropropane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
2-Butanone	0.12	100	0.12	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
2-Hexanone	--	--	--	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
Acetone	0.05	100	0.05	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
Acrylonitrile	--	--	--	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.097	U	0.0038	U	0.0042	U
Benzene	0.06	4.8	0.06	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
Bromobenzene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Bromochloromethane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Bromodichloromethane	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
Bromoform	--	--	--	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.097	U	0.0038	U	0.0042	U
Bromomethane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.022	J	0.0019	U	0.0021	U
Carbon disulfide	--	--	--	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
Chloroethane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Chloroform	0.37	49	0.37	0.0013	U	0.0013	U	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0016	U	0.036	U	0.0014	U	0.0016	U
Chloromethane	--	--	--	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.097	U	0.0038	U	0.0042	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0046		0.00088	U	0.00093	U	0.0017		0.00065	J	0.0012		0.001	U	**0.84**		0.00049	J	0.0025	
cis-1,3-Dichloropropene	--	--	--	0.00044	U	0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.012	U	0.00047	U	0.00052	U
Dibromochloromethane	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Dibromomethane	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Dichlorodifluoromethane	--	--	--	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
Ethyl ether	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Ethylbenzene	1	41	1	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00016	J	0.001	U	0.024	U	0.00094	U	0.001	U
Hexachlorobutadiene	--	--	--	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.097	U	0.0038	U	0.0042	U
Isopropylbenzene	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Methyl tert butyl ether	0.93	100	0.93	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Methylene chloride	0.05	100	0.05	0.0044	U	0.0044	U	0.0047	U	0.0046	U	0.0045	U	0.0046	U	0.0052	U	0.12	U	0.0047	U	0.0052	U
n-Butylbenzene	12	100	12	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.0054	J	0.00094	U	0.001	U
n-Propylbenzene	3.9	100	3.9	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Naphthalene	12	100	12	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.048	J	0.0038	U	0.0042	U
o-Chlorotoluene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
o-Xylene	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
p-Chlorotoluene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
p-Diethylbenzene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.013	J	0.0019	U	0.0021	U
p-Ethyltoluene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
p-Isopropyltoluene	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.0035	J	0.00094	U	0.001	U
p/m-Xylene	--	--	--	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
sec-Butylbenzene	11	100	11	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Styrene	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.0018	U	0.0019	U	0.0018	U	0.0018	U	0.0018	U	0.0021	U	0.048	U	0.0019	U	0.0021	U
Tetrachloroethene	1.3	19	1.3	0.005		0.00044	U	0.00047	U	0.00046	U	0.00045	U	0.00046	U	0.00052	U	0.019		0.00047	U	0.00052	U
Toluene	0.7	100	0.7	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0013	U	0.0014	U	0.0014	U	0.0014	U	0.00013	J	0.0016	U	0.015	J	0.0014	U	0.0016	U
trans-1,3-Dichloropropene	--	--	--	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0044	U	0.0044	U	0.0047	U	0.0046	U	0.0045	U	0.0046	U	0.0052	U	0.12	U	0.0047	U	0.0052	U
Trichloroethene	0.47	21	0.47	0.0072		0.00044	U	0.00032	J	0.0022		0.0018		0.0022		0.00024	J	**1.6**		0.00099		0.00076	
Trichlorofluoromethane	--	--	--	0.0035	U	0.0035	U	0.0037	U	0.0036	U	0.0036	U	0.0037	U	0.0042	U	0.097	U	0.0038	U	0.0042	U
Vinyl acetate	--	--	--	0.0088	U	0.0088	U	0.0093	U	0.0091	U	0.009	U	0.0093	U	0.01	U	0.24	U	0.0094	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.00088	U	0.00088	U	0.00093	U	0.00091	U	0.0009	U	0.00093	U	0.001	U	0.024	U	0.00094	U	0.001	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-17		EP-17A		EP-17B		EP-18		EP-18A		EP-19		EP-20		EP-21	
LAB SAMPLE ID				L2355164-09		L2365609-05		L2367513-01		L2365609-02		L2411582-08		L2351329-03		L2351329-02		L2343987-04 R2	
DATE				9/20/2023		11/3/2023		11/14/2023		11/3/2023		3/4/2024		9/5/2023		9/5/2023		7/31/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
1,1,1-Trichloroethane	0.68	100	0.68	0.2		0.00058	U	0.00053	U	0.59		0.0038		0.0016		0.00051	U	0.33	U
1,1,2,2-Tetrachloroethane	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
1,1,2-Trichloroethane	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
1,1-Dichloroethane	0.27	26	0.27	0.19		0.0012	U	0.0011	U	0.2		0.0011		0.00041	J	0.001	U	0.66	U
1,1-Dichloroethene	0.33	100	0.33	0.014	J	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
1,1-Dichloropropene	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
1,2,3-Trichlorobenzene	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,2,3-Trichloropropane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.79		0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	90	
1,2,4-Trichlorobenzene	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.3		0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	**680**	**E**
1,2-Dibromo-3-chloropropane	--	--	--	0.069	U	0.0034	U	0.0032	U	0.19	U	0.0028	U	0.0029	U	0.0031	U	2	U
1,2-Dibromoethane	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
1,2-Dichlorobenzene	1.1	100	1.1	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,2-Dichloroethane	0.02	3.1	0.02	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
1,2-Dichloroethene, Total	--	--	--	0.61	J	0.0012	U	0.00099	J	1.2	J	0.0093	J	0.0036		0.001	U	0.66	U
1,2-Dichloropropane	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.17		0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	**210**	**E**
1,3-Dichlorobenzene	2.4	49	2.4	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,3-Dichloropropane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,3-Dichloropropene, Total	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
1,4-Dichlorobenzene	1.8	13	1.8	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
1,4-Dioxane	0.1	13	0.1	1.8	U	0.092	U	0.086	U	5	U	0.074	U	0.076	U	0.082	U	52	U
2,2-Dichloropropane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
2-Butanone	0.12	100	0.12	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
2-Hexanone	--	--	--	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
4-Methyl-2-pentanone	--	--	--	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
Acetone	0.05	100	0.05	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
Acrylonitrile	--	--	--	0.093	U	0.0046	U	0.0043	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	2.6	U
Benzene	0.06	4.8	0.06	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
Bromobenzene	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Bromochloromethane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Bromodichloromethane	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
Bromoform	--	--	--	0.093	U	0.0046	U	0.0043	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	2.6	U
Bromomethane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Carbon disulfide	--	--	--	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
Carbon tetrachloride	0.76	2.4	0.76	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
Chlorobenzene	1.1	100	1.1	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
Chloroethane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Chloroform	0.37	49	0.37	0.035	U	0.0017	U	0.00037	J	0.093	U	0.0014	U	0.0014	U	0.0015	U	0.98	U
Chloromethane	--	--	--	0.093	U	0.0046	U	0.0043	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	2.6	U
cis-1,2-Dichloroethene	0.25	100	0.25	**0.6**		0.0012	U	0.00099	J	**1.2**		0.0091		0.0036		0.001	U	0.66	U
cis-1,3-Dichloropropene	--	--	--	0.012	U	0.00058	U	0.00053	U	0.031	U	0.00046	U	0.00048	U	0.00051	U	0.33	U
Dibromochloromethane	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
Dibromomethane	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Dichlorodifluoromethane	--	--	--	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
Ethyl ether	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Ethylbenzene	1	41	1	0.024		0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	**70**	
Hexachlorobutadiene	--	--	--	0.093	U	0.0046	U	0.0043	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	2.6	U
Isopropylbenzene	--	--	--	0.03		0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	24	
Methyl tert butyl ether	0.93	100	0.93	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
Methylene chloride	0.05	100	0.05	0.12	U	0.0058	U	0.0053	U	0.31	U	0.0046	U	0.0048	U	0.0051	U	3.3	U
n-Butylbenzene	12	100	12	0.46		0.0012	U	0.0043	U	0.062	U	0.00093	U	0.00096	U	0.001	U	**45**	
n-Propylbenzene	3.9	100	3.9	0.094		0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	**83**	
Naphthalene	12	100	12	1.2		0.0046	U	0.0011	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	**110**	
o-Chlorotoluene	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
o-Xylene	--	--	--	0.036		0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	140	
p-Chlorotoluene	--	--	--	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.3	U
p-Diethylbenzene	--	--	--	0.26		0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	270	E
p-Ethyltoluene	--	--	--	0.34		0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	450	E
p-Isopropyltoluene	--	--	--	0.19		0.0012	U	0.0021	U	0.062	U	0.00093	U	0.00096	U	0.001	U	12	
p/m-Xylene	--	--	--	0.023	J	0.0023	U	0.0011	U	0.12	U	0.0018	U	0.0019	U	0.002	U	330	
sec-Butylbenzene	11	100	11	0.29		0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	**15**	
Styrene	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
tert-Butylbenzene	5.9	100	5.9	0.046	U	0.0023	U	0.0021	U	0.12	U	0.0018	U	0.0019	U	0.002	U	1.4	
Tetrachloroethene	1.3	19	1.3	0.012		0.00058	U	0.00053	U	0.025	J	0.00023	J	0.00048	U	0.00051	U	0.33	U
Toluene	0.7	100	0.7	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.46	J
trans-1,2-Dichloroethene	0.19	100	0.19	0.007	J	0.0017	U	0.0016	U	0.014	J	0.00022	J	0.0014	U	0.0015	U	0.98	U
trans-1,3-Dichloropropene	--	--	--	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
trans-1,4-Dichloro-2-butene	--	--	--	0.12	U	0.0058	U	0.0053	U	0.31	U	0.0046	U	0.0048	U	0.0051	U	3.3	U
Trichloroethene	0.47	21	0.47	**1.9**		0.00058	U	0.0026		**4.4**		0.036		0.014		0.0014		0.33	U
Trichlorofluoromethane	--	--	--	0.093	U	0.0046	U	0.0043	U	0.25	U	0.0037	U	0.0038	U	0.0041	U	2.6	U
Vinyl acetate	--	--	--	0.23	U	0.012	U	0.011	U	0.62	U	0.0093	U	0.0096	U	0.01	U	6.6	U
Vinyl chloride	0.02	0.9	0.02	0.023	U	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	0.66	U
Xylenes, Total	0.26	100	1.6	0.059	J	0.0012	U	0.0011	U	0.062	U	0.00093	U	0.00096	U	0.001	U	**470**	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-21A		EP-22		EP-22A		EP-23		EP-24		EP-25		EP-26		EP-27	
LAB SAMPLE ID				L2411582-07		L2343987-03 R1		L2364575-01		L2343987-01		L2343987-02		L2343987-05		L2348172-01		L2348172-02	
DATE				3/4/2024		7/31/2023		10/31/2023		7/31/2023		7/31/2023		7/31/2023		8/18/2023		8/18/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
1,1,2,2-Tetrachloroethane	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,1-Dichloropropene	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	58		0.0017	U	0.5		0.015		3.5		0.0019	U	0.0019	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	**470**	**E**	0.0017	U	1.8		0.001	J	**5.6**		0.0019	U	0.0019	U
1,2-Dibromo-3-chloropropane	--	--	--	0.003	U	1.1	U	0.0026	U	0.13	U	0.0029	U	0.1	U	0.0029	U	0.0029	U
1,2-Dibromoethane	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.38	U	0.00026	J	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,2-Dichloropropane	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	**140**	**E**	0.0017	U	0.62		0.0002	J	0.29		0.0019	U	0.0019	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,3-Dichloropropane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,3-Dichloropropene, Total	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
1,4-Dioxane	0.1	13	0.1	0.081	U	30	U	0.069	U	3.4	U	0.077	U	2.8	U	0.077	U	0.078	U
2,2-Dichloropropane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
2-Butanone	0.12	100	0.12	0.01	U	3.8	U	0.0086	U	0.42	U	0.0056	J	0.34	U	0.0096	U	0.0097	U
2-Hexanone	--	--	--	0.01	U	3.8	U	0.0086	U	0.42	U	0.0096	U	0.34	U	0.0096	U	0.0097	U
4-Methyl-2-pentanone	--	--	--	0.01	U	3.8	U	0.0086	U	0.42	U	0.0096	U	0.34	U	0.0096	U	0.0097	U
Acetone	0.05	100	0.05	0.01	U	3.8	U	0.0086	U	0.42	U	0.012		0.34	U	0.0096	U	0.0097	U
Acrylonitrile	--	--	--	0.004	U	1.5	U	0.0035	U	0.17	U	0.0038	U	0.14	U	0.0038	U	0.0039	U
Benzene	0.06	4.8	0.06	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
Bromobenzene	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Bromochloromethane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Bromodichloromethane	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
Bromoform	--	--	--	0.004	U	1.5	U	0.0035	U	0.17	U	0.0038	U	0.14	U	0.0038	U	0.0039	U
Bromomethane	--	--	--	0.002	U	0.75	U	0.0017	U	0.034	J	0.0019	U	0.069	U	0.0019	U	0.0019	U
Carbon disulfide	--	--	--	0.01	U	3.8	U	0.0086	U	0.42	U	0.0096	U	0.34	U	0.0096	U	0.0097	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
Chlorobenzene	1.1	100	1.1	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
Chloroethane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Chloroform	0.37	49	0.37	0.0015	U	0.56	U	0.0013	U	0.064	U	0.0014	U	0.052	U	0.0014	U	0.0014	U
Chloromethane	--	--	--	0.004	U	1.5	U	0.0035	U	0.17	U	0.0038	U	0.14	U	0.0038	U	0.0039	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
cis-1,3-Dichloropropene	--	--	--	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
Dibromochloromethane	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
Dibromomethane	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Dichlorodifluoromethane	--	--	--	0.01	U	3.8	U	0.0086	U	0.42	U	0.0096	U	0.34	U	0.0096	U	0.0097	U
Ethyl ether	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Ethylbenzene	1	41	1	0.001	U	**50**		0.00086	U	0.028	J	0.052		0.31		0.00096	U	0.00097	U
Hexachlorobutadiene	--	--	--	0.004	U	1.5	U	0.0035	U	0.17	U	0.0038	U	0.14	U	0.0038	U	0.0039	U
Isopropylbenzene	--	--	--	0.001	U	17		0.00086	U	0.048		0.0081		0.3		0.00096	U	0.00097	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
Methylene chloride	0.05	100	0.05	0.005	U	1.9	U	0.0043	U	0.21	U	0.0048	U	0.17	U	0.0048	U	0.0048	U
n-Butylbenzene	12	100	12	0.001	U	**29**		0.00086	U	0.21		0.0025		1.2		0.00096	U	0.00097	U
n-Propylbenzene	3.9	100	3.9	0.001	U	**59**		0.00086	U	0.26		0.019		1.3		0.00096	U	0.00097	U
Naphthalene	12	100	12	0.004	U	**82**		0.0035	U	0.19		0.0052		0.5		0.0038	U	0.0039	U
o-Chlorotoluene	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
o-Xylene	--	--	--	0.001	U	57		0.00086	U	0.032	J	0.00051	J	0.086		0.00096	U	0.00097	U
p-Chlorotoluene	--	--	--	0.002	U	0.75	U	0.0017	U	0.085	U	0.0019	U	0.069	U	0.0019	U	0.0019	U
p-Diethylbenzene	--	--	--	0.002	U	190	E	0.0017	U	1.5		0.0038		1.2		0.0019	U	0.0019	U
p-Ethyltoluene	--	--	--	0.002	U	290	E	0.0017	U	0.6		0.0031		0.62		0.0019	U	0.0019	U
p-Isopropyltoluene	--	--	--	0.001	U	6.7		0.00086	U	0.056		0.00059	J	0.56		0.00096	U	0.00097	U
p/m-Xylene	--	--	--	0.002	U	210		0.0017	U	0.041	J	0.007		0.098		0.0019	U	0.0019	U
sec-Butylbenzene	11	100	11	0.001	U	10		0.00086	U	0.07		0.0017		0.56		0.00096	U	0.00097	U
Styrene	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.94		0.0017	U	0.0061	J	0.00041	J	0.055	J	0.0019	U	0.0019	U
Tetrachloroethene	1.3	19	1.3	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.0029		0.00048	U
Toluene	0.7	100	0.7	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.56	U	0.00026	J	0.064	U	0.0014	U	0.052	U	0.0014	U	0.0014	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
trans-1,4-Dichloro-2-butene	--	--	--	0.005	U	1.9	U	0.0043	U	0.21	U	0.0048	U	0.17	U	0.0048	U	0.0048	U
Trichloroethene	0.47	21	0.47	0.0005	U	0.19	U	0.00043	U	0.021	U	0.00048	U	0.017	U	0.00048	U	0.00048	U
Trichlorofluoromethane	--	--	--	0.004	U	1.5	U	0.0035	U	0.17	U	0.0038	U	0.14	U	0.0038	U	0.0039	U
Vinyl acetate	--	--	--	0.01	U	3.8	U	0.0086	U	0.42	U	0.0096	U	0.34	U	0.0096	U	0.0097	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.38	U	0.00086	U	0.042	U	0.00096	U	0.034	U	0.00096	U	0.00097	U
Xylenes, Total	0.26	100	1.6	0.001	U	**270**		0.00086	U	0.073	J	0.0075	J	0.18		0.00096	U	0.00097	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-28		EP-29		EP-30		EP-31		EP-32		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-03		L2348172-04		L2348172-05		L2362844-01		L2355164-01		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		10/23/2023		9/20/2023		8/18/2023		8/18/2023		8/18/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00046	U	0.00047	U	0.00049	U	0.00028	J	0.00043	U	0.00061	U	0.00041	U	0.00054	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
1,1,2-Trichloroethane	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloropropene	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
1,2,3-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2,3-Trichloropropane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0028	U	0.0028	U	0.0029	U	0.0024	U	0.0026	U	0.0037	U	0.0025	U	0.0032	U
1,2-Dibromoethane	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloroethene, Total	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00013	J	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloropropane	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropene, Total	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
1,4-Dioxane	0.1	13	0.1	0.074	U	0.075	U	0.078	U	0.065	U	0.069	U	0.098	U	0.066	U	0.086	U
2,2-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
2-Butanone	0.12	100	0.12	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
2-Hexanone	--	--	--	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
4-Methyl-2-pentanone	--	--	--	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
Acetone	0.05	100	0.05	0.0078	J	0.0093	U	0.0073	J	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
Acrylonitrile	--	--	--	0.0037	U	0.0037	U	0.0039	U	0.0032	U	0.0035	U	0.0049	U	0.0033	U	0.0043	U
Benzene	0.06	4.8	0.06	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
Bromobenzene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Bromochloromethane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Bromodichloromethane	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
Bromoform	--	--	--	0.0037	U	0.0037	U	0.0039	U	0.0032	U	0.0035	U	0.0049	U	0.0033	U	0.0043	U
Bromomethane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Carbon disulfide	--	--	--	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
Chloroethane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Chloroform	0.37	49	0.37	0.0014	U	0.0014	U	0.0015	U	0.0012	U	0.0013	U	0.0018	U	0.0012	U	0.0016	U
Chloromethane	--	--	--	0.0037	U	0.0037	U	0.0039	U	0.0032	U	0.0035	U	0.0049	U	0.0033	U	0.0043	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
cis-1,3-Dichloropropene	--	--	--	0.00046	U	0.00047	U	0.00049	U	0.0004	U	0.00043	U	0.00061	U	0.00041	U	0.00054	U
Dibromochloromethane	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Dibromomethane	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Dichlorodifluoromethane	--	--	--	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
Ethyl ether	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Ethylbenzene	1	41	1	0.00093	U	0.00013	J	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Hexachlorobutadiene	--	--	--	0.0037	U	0.0037	U	0.0039	U	0.0032	U	0.0035	U	0.0049	U	0.0033	U	0.0043	U
Isopropylbenzene	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Methylene chloride	0.05	100	0.05	0.0046	U	0.0047	U	0.0049	U	0.004	U	0.0043	U	0.0061	U	0.0041	U	0.0054	U
n-Butylbenzene	12	100	12	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Naphthalene	12	100	12	0.0037	U	0.0037	U	0.0039	U	0.0011	J	0.0035	U	0.0049	U	0.0033	U	0.0043	U
o-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
o-Xylene	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
p-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
p-Diethylbenzene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
p-Ethyltoluene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
p-Isopropyltoluene	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
p/m-Xylene	--	--	--	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
sec-Butylbenzene	11	100	11	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Styrene	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0019	U	0.0019	U	0.002	U	0.0016	U	0.0017	U	0.0024	U	0.0016	U	0.0022	U
Tetrachloroethene	1.3	19	1.3	0.00046	U	0.00047	U	0.0052		0.0004	U	0.00043	U	0.00032	J	0.00041	U	0.00054	U
Toluene	0.7	100	0.7	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014	U	0.0014	U	0.0015	U	0.00013	J	0.0013	U	0.0018	U	0.0012	U	0.0016	U
trans-1,3-Dichloropropene	--	--	--	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0046	U	0.0047	U	0.0049	U	0.004	U	0.0043	U	0.0061	U	0.0041	U	0.0054	U
Trichloroethene	0.47	21	0.47	0.00046	U	0.00047	U	0.00065		0.0004	U	0.00016	J	0.00061	U	0.00041	U	0.00054	U
Trichlorofluoromethane	--	--	--	0.0037	U	0.0037	U	0.0039	U	0.0032	U	0.0035	U	0.0049	U	0.0033	U	0.0043	U
Vinyl acetate	--	--	--	0.0093	U	0.0093	U	0.0098	U	0.0081	U	0.0087	U	0.012	U	0.0082	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U
Xylenes, Total	0.26	100	1.6	0.00093	U	0.00093	U	0.00098	U	0.00081	U	0.00087	U	0.0012	U	0.00082	U	0.0011	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-36		EP-37		EP-38		EP-39		EP-40		EP-41		EP-41		EP-42	
LAB SAMPLE ID				L2355164-02		L2355164-10		L2402095-01		L2351329-01		L2411582-01		L2411582-02		L2418995-01		L2422539-07	
DATE				9/20/2023		9/20/2023		1/12/2024		9/5/2023		3/4/2024		3/4/2024		4/8/2024		4/24/2024	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00052	U	0.00045	U	0.0015		0.0005	U	0.0024		0.00093		0.00091		0.00066	
1,1,2,2-Tetrachloroethane	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.00091	U	0.00048	J	0.001	U	0.00084	J	0.00032	J	0.00044	J	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00028	J	0.00093	U	0.001	U	0.0011	U
1,1-Dichloropropene	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
1,2,3-Trichlorobenzene	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,2,3-Trichloropropane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0021	U	0.0012	J	0.0021	U	0.002	U	0.00083	J	0.0019	U	0.002	U	0.00047	J
1,2,4-Trichlorobenzene	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021	U	0.019		0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0018	J
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.0027	U	0.0032	U	0.003	U	0.0026	U	0.0028	U	0.0031	U	0.0034	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00091	U	0.00082	J	0.001	U	0.0038		0.0017		0.0016		0.0011	U
1,2-Dichloropropane	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0021	U	0.0068		0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0011	J
1,3-Dichlorobenzene	2.4	49	2.4	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,3-Dichloropropane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,3-Dichloropropene, Total	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
1,4-Dioxane	0.1	13	0.1	0.083	U	0.073	U	0.085	U	0.081	U	0.069	U	0.074	U	0.082	U	0.091	U
2,2-Dichloropropane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
2-Butanone	0.12	100	0.12	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.0028	J
2-Hexanone	--	--	--	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.011	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.011	U
Acetone	0.05	100	0.05	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.04	
Acrylonitrile	--	--	--	0.0041	U	0.0036	U	0.0042	U	0.004	U	0.0035	U	0.0037	U	0.0041	U	0.0045	U
Benzene	0.06	4.8	0.06	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
Bromobenzene	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Bromochloromethane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Bromodichloromethane	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
Bromoform	--	--	--	0.0041	U	0.0036	U	0.0042	U	0.004	U	0.0035	U	0.0037	U	0.0041	U	0.0045	U
Bromomethane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Carbon disulfide	--	--	--	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
Chloroethane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Chloroform	0.37	49	0.37	0.0016	U	0.0014	U	0.0016	U	0.0015	U	0.0013	U	0.0014	U	0.0015	U	0.0017	U
Chloromethane	--	--	--	0.0041	U	0.0036	U	0.0042	U	0.004	U	0.0035	U	0.0037	U	0.0041	U	0.0045	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00091	U	0.00082	J	0.001	U	0.0038		0.0017		0.0016		0.0011	U
cis-1,3-Dichloropropene	--	--	--	0.00052	U	0.00045	U	0.00053	U	0.0005	U	0.00043	U	0.00046	U	0.00051	U	0.00057	U
Dibromochloromethane	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Dibromomethane	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.011	U
Ethyl ether	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Ethylbenzene	1	41	1	0.001	U	0.0051		0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Hexachlorobutadiene	--	--	--	0.0041	U	0.0036	U	0.0042	U	0.004	U	0.0035	U	0.0037	U	0.0041	U	0.0045	U
Isopropylbenzene	--	--	--	0.001	U	0.00072	J	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0006	J
Methyl tert butyl ether	0.93	100	0.93	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Methylene chloride	0.05	100	0.05	0.0052	U	0.0045	U	0.0053	U	0.005	U	0.0043	U	0.0046	U	0.0051	U	0.0057	U
n-Butylbenzene	12	100	12	0.001	U	0.00028	J	0.0011	U	0.001	U	0.00035	J	0.00093	U	0.001	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.0016		0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Naphthalene	12	100	12	0.0041	U	0.0012	J	0.0042	U	0.004	U	0.0013	J	0.0037	U	0.0041	U	0.0062	
o-Chlorotoluene	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
o-Xylene	--	--	--	0.001	U	0.0039		0.0011	U	0.001	U	0.00056	J	0.00093	U	0.001	U	0.0011	
p-Chlorotoluene	--	--	--	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
p-Diethylbenzene	--	--	--	0.0021	U	0.0049		0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.001	J
p-Ethyltoluene	--	--	--	0.0021	U	0.0063		0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0006	J
p-Isopropyltoluene	--	--	--	0.001	U	0.00016	J	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.00064	J
p/m-Xylene	--	--	--	0.0021	U	0.0079		0.0021	U	0.002	U	0.0006	J	0.0019	U	0.002	U	0.001	J
sec-Butylbenzene	11	100	11	0.001	U	0.00024	J	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Styrene	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U	0.0018	U	0.0021	U	0.002	U	0.0017	U	0.0019	U	0.002	U	0.0023	U
Tetrachloroethene	1.3	19	1.3	0.00052	U	0.00045	U	0.0016		0.0005	U	0.001		0.001		0.0014		0.0011	
Toluene	0.7	100	0.7	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.0014	U	0.0016	U	0.0015	U	0.0013	U	0.0014	U	0.0015	U	0.0017	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0052	U	0.0045	U	0.0053	U	0.005	U	0.0043	U	0.0046	U	0.0051	U	0.0057	U
Trichloroethene	0.47	21	0.47	0.00019	J	0.00012	J	0.0043		0.00036	J	0.011		0.007		0.0065		0.0011	
Trichlorofluoromethane	--	--	--	0.0041	U	0.0036	U	0.0042	U	0.004	U	0.0035	U	0.0037	U	0.0041	U	0.0034	J
Vinyl acetate	--	--	--	0.01	U	0.0091	U	0.011	U	0.01	U	0.0087	U	0.0093	U	0.01	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00091	U	0.0011	U	0.001	U	0.00087	U	0.00093	U	0.001	U	0.0011	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.012		0.0011	U	0.001	U	0.0012	J	0.00093	U	0.001	U	0.0021	J

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-43		EP-44		EP-45		EP-46		EP-47		EP-48		EP-49		EP-50	
LAB SAMPLE ID				L2430995-06		L2422539-02		L2422539-01		L2431297-01		L2430995-07		L2422539-03		L2422539-04		L2431297-05	
DATE				6/4/2024		4/24/2024		4/24/2024		6/5/2024		6/4/2024		4/24/2024		4/24/2024		6/5/2024	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0002	J	0.00064		0.00035	J	0.0014		0.00047	U	0.00035	J	0.00078		0.00094	
1,1,2,2-Tetrachloroethane	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
1,1,2-Trichloroethane	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
1,1-Dichloroethane	0.27	26	0.27	0.0012	U	0.0003	J	0.00021	J	0.001	U	0.00095	U	0.00091	U	0.00027	J	0.00049	J
1,1-Dichloroethene	0.33	100	0.33	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00025	J
1,1-Dichloropropene	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
1,2,3-Trichlorobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.00088	J	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2,4-Trichlorobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0023	U	0.0022	U	0.002	U	0.001	J	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0035	U	0.0033	U	0.0029	U	0.0031	U	0.0028	U	0.0027	U	0.0032	U	0.003	U
1,2-Dibromoethane	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
1,2-Dichloroethene, Total	--	--	--	0.0012	U	0.0014		0.00075	J	0.00042	J	0.00095	U	0.00061	J	0.0011		0.0024	
1,2-Dichloropropane	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0023	U	0.0022	U	0.002	U	0.0011	J	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.092	U	0.087	U	0.078	U	0.084	U	0.076	U	0.073	U	0.085	U	0.079	U
2,2-Dichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
2-Butanone	0.12	100	0.12	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
2-Hexanone	--	--	--	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
4-Methyl-2-pentanone	--	--	--	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
Acetone	0.05	100	0.05	0.012	U	0.011	U	0.0098	U	0.013		0.0095	U	0.0091	U	0.0053	J	0.045	
Acrylonitrile	--	--	--	0.0046	U	0.0044	U	0.0039	U	0.0042	U	0.0038	U	0.0036	U	0.0043	U	0.0039	U
Benzene	0.06	4.8	0.06	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00016	J
Bromobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Bromochloromethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Bromodichloromethane	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
Bromoform	--	--	--	0.0046	U	0.0044	U	0.0039	U	0.0042	U	0.0038	U	0.0036	U	0.0043	U	0.0039	U
Bromomethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Carbon disulfide	--	--	--	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
Carbon tetrachloride	0.76	2.4	0.76	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Chlorobenzene	1.1	100	1.1	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
Chloroethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Chloroform	0.37	49	0.37	0.0017	U	0.0016	U	0.0015	U	0.0016	U	0.0014	U	0.0014	U	0.0016	U	0.0015	U
Chloromethane	--	--	--	0.0046	U	0.0044	U	0.0039	U	0.0042	U	0.0038	U	0.0036	U	0.0043	U	0.0039	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0012	U	0.0014		0.00075	J	0.00042	J	0.00095	U	0.00061	J	0.0011		0.0024	
cis-1,3-Dichloropropene	--	--	--	0.00058	U	0.00054	U	0.00049	U	0.00052	U	0.00047	U	0.00046	U	0.00053	U	0.00049	U
Dibromochloromethane	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Dibromomethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
Ethyl ether	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Ethylbenzene	1	41	1	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Hexachlorobutadiene	--	--	--	0.0046	U	0.0044	U	0.0039	U	0.0042	U	0.0038	U	0.0036	U	0.0043	U	0.0039	U
Isopropylbenzene	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Methyl tert butyl ether	0.93	100	0.93	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0058	U	0.0054	U	0.0049	U	0.0052	U	0.0047	U	0.0046	U	0.0053	U	0.0049	U
n-Butylbenzene	12	100	12	0.0046	U	0.0011	U	0.00098	U	0.001	U	0.0038	U	0.00091	U	0.0011	U	0.00099	U
n-Propylbenzene	3.9	100	3.9	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Naphthalene	12	100	12	0.0012	U	0.0044	U	0.0039	U	0.0011	J	0.00095	U	0.0036	U	0.0043	U	0.0039	U
o-Chlorotoluene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
o-Xylene	--	--	--	0.00069	J	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
p-Chlorotoluene	--	--	--	0.00075	J	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
p-Diethylbenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0025		0.0019	U	0.0018	U	0.0021	U	0.002	U
p-Ethyltoluene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.00063	J	0.0019	U	0.0018	U	0.0021	U	0.002	U
p-Isopropyltoluene	--	--	--	0.0023	U	0.0011	U	0.00098	U	0.001	U	0.0019	U	0.00091	U	0.0011	U	0.00099	U
p/m-Xylene	--	--	--	0.0012	U	0.0022	U	0.002	U	0.0021	U	0.00095	U	0.00051	J	0.0006	J	0.002	U
sec-Butylbenzene	11	100	11	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Styrene	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
tert-Butylbenzene	5.9	100	5.9	0.0023	U	0.0022	U	0.002	U	0.0021	U	0.0019	U	0.0018	U	0.0021	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.00043	J	0.00065		0.00054		0.002		0.00041	J	0.002		0.00085		0.00057	
Toluene	0.7	100	0.7	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0017	U	0.0016	U	0.0015	U	0.0016	U	0.0014	U	0.0014	U	0.0016	U	0.0015	U
trans-1,3-Dichloropropene	--	--	--	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0058	U	0.0054	U	0.0049	U	0.0052	U	0.0047	U	0.0046	U	0.0053	U	0.0049	U
Trichloroethene	0.47	21	0.47	0.00052	J	0.0052		0.003		0.0014		0.00047	U	0.0029		0.0041		0.0075	
Trichlorofluoromethane	--	--	--	0.0046	U	0.0044	U	0.0039	U	0.0042	U	0.0038	U	0.0036	U	0.0043	U	0.0039	U
Vinyl acetate	--	--	--	0.012	U	0.011	U	0.0098	U	0.01	U	0.0095	U	0.0091	U	0.011	U	0.0099	U
Vinyl chloride	0.02	0.9	0.02	0.0012	U	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00091	U	0.0011	U	0.00099	U
Xylenes, Total	0.26	100	1.6	0.0014	J	0.0011	U	0.00098	U	0.001	U	0.00095	U	0.00051	J	0.0006	J	0.00099	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-51		EP-52		EP-53		EP-54		EP-55		EP-56		EP-57		EP-58	
LAB SAMPLE ID				L2431297-03		L2422539-05		L2422539-06		L2431297-04		L2431297-02		L2439875-02		L2439875-01		L2411582-03	
DATE				6/5/2024		4/24/2024		4/24/2024		6/5/2024		6/5/2024		7/16/2024		7/16/2024		3/4/2024	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0005	U	0.00069		0.00036	J	0.00058	U	0.00026	J	0.00072		0.0092		0.0061	
1,1,2,2-Tetrachloroethane	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.00016	J	0.001	U	0.0012	U	0.00017	J	0.0003	J	0.0031		0.0019	
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00064	J	0.00052	J
1,1-Dichloropropene	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0021	U	0.00033	J	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.00097	J
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.00044	J	0.00055	J	0.0023	U	0.0017	U	0.0022	U	0.00033	J	0.0022	
1,2-Dibromo-3-chloropropane	--	--	--	0.003	U	0.0031	U	0.003	U	0.0035	U	0.0026	U	0.0032	U	0.0029	U	0.0025	U
1,2-Dibromoethane	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
1,2-Dichloroethene, Total	--	--	--	0.00042	J	0.00079	J	0.00034	J	0.0012	U	0.00023	J	0.00086	J	0.0058	J	0.0081	J
1,2-Dichloropropane	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.00032	J	0.00048	J	0.0023	U	0.0017	U	0.0022	U	0.00021	J	0.0015	J
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,3-Dichloropropene, Total	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
1,4-Dioxane	0.1	13	0.1	0.08	U	0.084	U	0.081	U	0.094	U	0.069	U	0.086	U	0.078	U	0.067	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
2-Butanone	0.12	100	0.12	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
2-Hexanone	--	--	--	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
Acetone	0.05	100	0.05	0.01	U	0.026		0.019		0.014		0.0086	U	0.0075	J	0.012		0.0075	J
Acrylonitrile	--	--	--	0.004	U	0.0042	U	0.0041	U	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0034	U
Benzene	0.06	4.8	0.06	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
Bromobenzene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Bromochloromethane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Bromodichloromethane	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
Bromoform	--	--	--	0.004	U	0.0042	U	0.0041	U	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0034	U
Bromomethane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.00057	JB	0.0022	U	0.0019	U	0.0017	U
Carbon disulfide	--	--	--	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
Chlorobenzene	1.1	100	1.1	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
Chloroethane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Chloroform	0.37	49	0.37	0.0015	U	0.0016	U	0.00065	J	0.0018	U	0.0013	U	0.00026	J	0.00054	J	0.00012	J
Chloromethane	--	--	--	0.004	U	0.0042	U	0.0041	U	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0034	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00042	J	0.00079	J	0.00034	J	0.0012	U	0.00023	J	0.00086	J	0.0057		0.0079	
cis-1,3-Dichloropropene	--	--	--	0.0005	U	0.00052	U	0.00051	U	0.00058	U	0.00043	U	0.00054	U	0.00049	U	0.00042	U
Dibromochloromethane	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
Dibromomethane	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
Ethyl ether	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Ethylbenzene	1	41	1	0.001	U	0.001	U	0.00016	J	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00014	J
Hexachlorobutadiene	--	--	--	0.004	U	0.0042	U	0.0041	U	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0034	U
Isopropylbenzene	--	--	--	0.001	U	0.00048	J	0.00048	J	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Methylene chloride	0.05	100	0.05	0.005	U	0.0052	U	0.0051	U	0.0058	U	0.0043	U	0.0054	U	0.0049	U	0.0042	U
n-Butylbenzene	12	100	12	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00041	J
n-Propylbenzene	3.9	100	3.9	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00019	J
Naphthalene	12	100	12	0.004	U	0.0011	J	0.0026	J	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0056	
o-Chlorotoluene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
o-Xylene	--	--	--	0.001	U	0.00071	J	0.00084	J	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00037	J
p-Chlorotoluene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
p-Diethylbenzene	--	--	--	0.002	U	0.00024	J	0.00058	J	0.0023	U	0.0017	U	0.00019	J	0.00018	J	0.0022	
p-Ethyltoluene	--	--	--	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0014	J
p-Isopropyltoluene	--	--	--	0.001	U	0.00054	J	0.00053	J	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00027	J
p/m-Xylene	--	--	--	0.002	U	0.00073	J	0.0011	J	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
sec-Butylbenzene	11	100	11	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00014	J
Styrene	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0021	U	0.002	U	0.0023	U	0.0017	U	0.0022	U	0.0019	U	0.0017	U
Tetrachloroethene	1.3	19	1.3	0.001		0.003		0.011		0.00068		0.0032		0.01		0.0053		0.0013	
Toluene	0.7	100	0.7	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0016	U	0.0015	U	0.0018	U	0.0013	U	0.0016	U	0.00014	J	0.00016	J
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
trans-1,4-Dichloro-2-butene	--	--	--	0.005	U	0.0052	U	0.0051	U	0.0058	U	0.0043	U	0.0054	U	0.0049	U	0.0042	U
Trichloroethene	0.47	21	0.47	0.0023		0.0038		0.0036		0.0012		0.0014		0.0039		0.014		0.03	
Trichlorofluoromethane	--	--	--	0.004	U	0.0042	U	0.0041	U	0.0047	U	0.0034	U	0.0043	U	0.0039	U	0.0034	U
Vinyl acetate	--	--	--	0.01	U	0.01	U	0.01	U	0.012	U	0.0086	U	0.011	U	0.0097	U	0.0084	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.001	U	0.001	U	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00084	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0014	J	0.0019	J	0.0012	U	0.00086	U	0.0011	U	0.00097	U	0.00037	J

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-59		EP-60		EP-60A		EP-61		EP-62		EP-63		EP-64		EP-65	
LAB SAMPLE ID				L2418995-02		L2411582-06		L2418995-05		L2418995-04		L2411582-04		L2411582-05		L2418995-03		L2430995-02	
DATE				4/8/2024		3/4/2024		4/8/2024		4/8/2024		3/4/2024		3/4/2024		4/8/2024		6/4/2024	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0037		0.15		0.0011		0.0057		0.0036		0.00079		0.00041	J	0.00042	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
1,1,2-Trichloroethane	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
1,1-Dichloroethane	0.27	26	0.27	0.0013		0.036		0.00025	J	0.0024		0.0019		0.00018	J	0.00016	J	0.00084	U
1,1-Dichloroethene	0.33	100	0.33	0.00047	J	0.03	U	0.00086	U	0.0006	J	0.00071	J	0.00094	U	0.001	U	0.00084	U
1,1-Dichloropropene	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
1,2,3-Trichlorobenzene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2,3-Trichloropropane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.002	J	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2,4-Trichlorobenzene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0023	U	0.06	U	0.0017	U	0.00096	J	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0035	U	0.09	U	0.0026	U	0.0031	U	0.0026	U	0.0028	U	0.003	U	0.0025	U
1,2-Dibromoethane	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
1,2-Dichloroethene, Total	--	--	--	0.0085		0.11		0.00071	J	0.012	J	0.0083	J	0.0015		0.0016		0.00084	U
1,2-Dichloropropane	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0023	U	0.06	U	0.0017	U	0.001	J	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,3-Dichloropropane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,3-Dichloropropene, Total	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
1,4-Dioxane	0.1	13	0.1	0.093	U	2.4	U	0.069	U	0.084	U	0.07	U	0.076	U	0.082	U	0.067	U
2,2-Dichloropropane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
2-Butanone	0.12	100	0.12	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
2-Hexanone	--	--	--	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
4-Methyl-2-pentanone	--	--	--	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
Acetone	0.05	100	0.05	0.012	U	0.3	U	0.0086	U	0.024		0.0088	U	0.0094	U	0.028		0.0084	U
Acrylonitrile	--	--	--	0.0047	U	0.12	U	0.0034	U	0.0042	U	0.0035	U	0.0038	U	0.0041	U	0.0034	U
Benzene	0.06	4.8	0.06	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
Bromobenzene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Bromochloromethane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Bromodichloromethane	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
Bromoform	--	--	--	0.0047	U	0.12	U	0.0034	U	0.0042	U	0.0035	U	0.0038	U	0.0041	U	0.0034	U
Bromomethane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Carbon disulfide	--	--	--	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
Carbon tetrachloride	0.76	2.4	0.76	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
Chlorobenzene	1.1	100	1.1	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
Chloroethane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Chloroform	0.37	49	0.37	0.0017	U	0.045	U	0.0013	U	0.00017	J	0.0013	U	0.0014	U	0.0015	U	0.0013	U
Chloromethane	--	--	--	0.0047	U	0.12	U	0.0034	U	0.0042	U	0.0035	U	0.0038	U	0.0041	U	0.0034	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0085		0.11		0.00071	J	0.012		0.0081		0.0015		0.0016		0.00084	U
cis-1,3-Dichloropropene	--	--	--	0.00058	U	0.015	U	0.00043	U	0.00052	U	0.00044	U	0.00047	U	0.00051	U	0.00042	U
Dibromochloromethane	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
Dibromomethane	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Dichlorodifluoromethane	--	--	--	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
Ethyl ether	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Ethylbenzene	1	41	1	0.00018	J	0.03	U	0.00086	U	0.0013		0.00088	U	0.00094	U	0.001	U	0.00084	U
Hexachlorobutadiene	--	--	--	0.0047	U	0.12	U	0.0034	U	0.0042	U	0.0035	U	0.0038	U	0.0041	U	0.0034	U
Isopropylbenzene	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
Methyl tert butyl ether	0.93	100	0.93	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Methylene chloride	0.05	100	0.05	0.0058	U	0.15	U	0.0043	U	0.0052	U	0.0044	U	0.0047	U	0.0051	U	0.0042	U
n-Butylbenzene	12	100	12	0.0012	U	0.03	U	0.00086	U	0.00034	J	0.00088	U	0.00094	U	0.001	U	0.0034	U
n-Propylbenzene	3.9	100	3.9	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
Naphthalene	12	100	12	0.0047	U	0.078	J	0.0034	U	0.0049		0.00075	J	0.0038	U	0.0041	U	0.00084	U
o-Chlorotoluene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
o-Xylene	--	--	--	0.0012	U	0.03	U	0.00086	U	0.0013		0.00088	U	0.00094	U	0.001	U	0.00084	U
p-Chlorotoluene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
p-Diethylbenzene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
p-Ethyltoluene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.00094	J	0.0018	U	0.0019	U	0.002	U	0.0017	U
p-Isopropyltoluene	--	--	--	0.00093	J	0.03	U	0.00086	U	0.00064	J	0.00088	U	0.00094	U	0.001	U	0.0017	U
p/m-Xylene	--	--	--	0.0023	U	0.06	U	0.0017	U	0.0042		0.0018	U	0.0019	U	0.002	U	0.00084	U
sec-Butylbenzene	11	100	11	0.0012	U	0.03	U	0.00086	U	0.00039	J	0.00088	U	0.00094	U	0.001	U	0.00084	U
Styrene	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
tert-Butylbenzene	5.9	100	5.9	0.0023	U	0.06	U	0.0017	U	0.0021	U	0.0018	U	0.0019	U	0.002	U	0.0017	U
Tetrachloroethene	1.3	19	1.3	0.002		0.094		0.00043	U	0.0009		0.00083		0.00047	U	0.00037	J	0.00087	
Toluene	0.7	100	0.7	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0017	U	0.045	U	0.0013	U	0.00022	J	0.00015	J	0.0014	U	0.0015	U	0.0013	U
trans-1,3-Dichloropropene	--	--	--	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0058	U	0.15	U	0.0043	U	0.0052	U	0.0044	U	0.0047	U	0.0051	U	0.0042	U
Trichloroethene	0.47	21	0.47	0.049		**1.4**		0.005		0.043		0.031		0.011		0.009		0.00061	
Trichlorofluoromethane	--	--	--	0.0047	U	0.12	U	0.0034	U	0.0042	U	0.0035	U	0.0038	U	0.0041	U	0.0034	U
Vinyl acetate	--	--	--	0.012	U	0.3	U	0.0086	U	0.01	U	0.0088	U	0.0094	U	0.01	U	0.0084	U
Vinyl chloride	0.02	0.9	0.02	0.0012	U	0.03	U	0.00086	U	0.001	U	0.00088	U	0.00094	U	0.001	U	0.00084	U
Xylenes, Total	0.26	100	1.6	0.0012	U	0.03	U	0.00086	U	0.0055		0.00088	U	0.00094	U	0.001	U	0.00084	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-66		EP-67		EP-68		EP-69		FD-2	
LAB SAMPLE ID				L2430995-04		L2430995-01		L2430995-05		L2430995-03		L2351329-08	
DATE				6/4/2024		6/4/2024		6/4/2024		6/4/2024		9/5/2023	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)													
1,1,1,2-Tetrachloroethane	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00018	J	0.00024	J	0.00032	J	0.00051	U	0.0005	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
1,1,2-Trichloroethane	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.00098	U	0.00014	J	0.0011	U	0.001	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0029	U	0.0028	U	0.0032	U	0.003	U	0.003	U
1,2-Dibromoethane	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.00037	J	0.00053	J	0.00054	J	0.00029	J	0.0025	
1,2-Dichloropropane	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.078	U	0.074	U	0.086	U	0.081	U	0.08	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
2-Butanone	0.12	100	0.12	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
2-Hexanone	--	--	--	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
Acetone	0.05	100	0.05	0.0098	U	0.0092	U	0.0069	J	0.0083	J	0.01	U
Acrylonitrile	--	--	--	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.004	U
Benzene	0.06	4.8	0.06	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
Bromobenzene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Bromochloromethane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Bromodichloromethane	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
Bromoform	--	--	--	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.004	U
Bromomethane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Carbon disulfide	--	--	--	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
Chloroethane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Chloroform	0.37	49	0.37	0.0015	U	0.0014	U	0.0016	U	0.0015	U	0.0015	U
Chloromethane	--	--	--	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.004	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00037	J	0.00053	J	0.00054	J	0.001	U	0.0025	
cis-1,3-Dichloropropene	--	--	--	0.00049	U	0.00046	U	0.00053	U	0.00051	U	0.0005	U
Dibromochloromethane	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Dibromomethane	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
Ethyl ether	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Ethylbenzene	1	41	1	0.00098	U	0.00092	U	0.0011	U	0.0012		0.001	U
Hexachlorobutadiene	--	--	--	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.004	U
Isopropylbenzene	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0049	U	0.0046	U	0.0053	U	0.003	J	0.005	U
n-Butylbenzene	12	100	12	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.001	U
n-Propylbenzene	3.9	100	3.9	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Naphthalene	12	100	12	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.004	U
o-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
o-Xylene	--	--	--	0.00098	U	0.00092	U	0.00066	J	0.0017		0.001	U
p-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.00067	J	0.0083		0.002	U
p-Diethylbenzene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
p-Ethyltoluene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
p-Isopropyltoluene	--	--	--	0.002	U	0.0018	U	0.0021	U	0.002	U	0.001	U
p/m-Xylene	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.002	U
sec-Butylbenzene	11	100	11	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Styrene	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0018	U	0.0021	U	0.002	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.00072		0.0011		0.0015		0.00051	U	0.0005	U
Toluene	0.7	100	0.7	0.00098	U	0.00092	U	0.0011	U	0.0011		0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0014	U	0.0016	U	0.00029	J	0.0015	U
trans-1,3-Dichloropropene	--	--	--	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0049	U	0.0046	U	0.0053	U	0.0051	U	0.005	U
Trichloroethene	0.47	21	0.47	0.0018		0.0025		0.0029		0.0003	J	0.00091	
Trichlorofluoromethane	--	--	--	0.0039	U	0.0037	U	0.0043	U	0.0041	U	0.004	U
Vinyl acetate	--	--	--	0.0098	U	0.0092	U	0.011	U	0.01	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.00098	U	0.00092	U	0.0011	U	0.001	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.00098	U	0.00092	U	0.0013	J	0.01		0.001	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-06		EP-07		EP-08	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2351329-06		L2351329-05		L2355164-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		9/5/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.027	U	0.027	U	0.028	U	0.027	U	0.026	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.85	U	0.88	U	0.86	U	0.88	U	0.87	U	0.84	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	0.15	J	0.21	U	0.03	J
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.38	U	0.39	U	0.39	U	0.4	U	0.39	U	0.38	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U	0.033	J	0.25	U	0.26	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.46	U	0.47	U	0.46	U	0.48	U	0.47	U	0.46	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.26	U	0.25	U	0.26	U	0.25	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.24		0.14	U	0.04	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.053	J	0.14	U	0.037	J
Acetophenone	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.43		0.1	U	0.12	
Benzo(a)anthracene	1	1	1	0.13		0.11	U	0.11	U	0.11	U	0.16		0.57		0.034	J	0.49	
Benzo(a)pyrene	1	1	22	0.18		0.14	U	0.15	U	0.14	U	0.18		0.58		0.14	U	0.51	
Benzo(b)fluoranthene	1	1	1.7	0.2		0.11	U	0.11	U	0.11	U	0.21		0.66		0.041	J	0.6	
Benzo(ghi)perylene	100	100	1000	0.12	J	0.14	U	0.15	U	0.14	U	0.12	J	0.39		0.056	J	0.33	
Benzo(k)fluoranthene	0.8	3.9	1.7	0.045	J	0.11	U	0.11	U	0.11	U	0.066	J	0.14		0.1	U	0.16	
Benzoic Acid	--	--	--	0.61	U	0.58	U	0.59	U	0.58	U	0.59	U	0.58	U	0.57	U	0.59	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.43	U	0.41	U	0.42	U	0.41	U	0.42	U	0.043	J	0.4	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.067	J	0.18	U	0.18	U	0.11	J
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.16	J	0.18	U	0.047	J
Chrysene	1	3.9	1	0.12		0.11	U	0.11	U	0.11	U	0.14		0.63		0.036	J	0.56	
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.029	J	0.11	U	0.11	U	0.11	U	0.027	J	0.078	J	0.1	U	0.074	J
Dibenzofuran	7	59	210	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	J	0.18	U	0.025	J
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.23		0.11	U	0.11	U	0.11	U	0.27		1.4		0.062	J	0.83	
Fluorene	30	100	386	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2		0.18	U	0.037	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.51	U	0.52	U	0.51	U	0.52	U	0.52	U	0.5	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	J	0.14	U	0.15	U	0.14	U	0.15		0.31		0.034	J	0.33	
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.038	J	0.18	U	0.18	U	0.18	U	0.18	U	0.46		0.18	U	0.05	J
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.062	J
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.12		0.11	U	0.11	U	0.11	U	0.14		1.8		0.036	J	0.52	
Phenol	0.33	100	0.33	0.053	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.21		0.11	U	0.11	U	0.11	U	0.24		1.4		0.061	J	0.85	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09		EP-09A		EP-10		EP-11		EP-12		EP-13		EP-14		EP-15	
LAB SAMPLE ID				L2355164-07		L2365609-03		L2365609-01		L2355164-06		L2355164-04		L2355164-03		L2351329-07		L2355164-08	
DATE				9/20/2023		11/3/2023		11/3/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		6		5.5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.026	U	0.027	U	0.026	U	0.027	U	0.028	U	0.026	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.86	U	0.84	U	0.87	U	0.85	U	0.87	U	0.89	U	0.83	U	0.86	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2-Methylnaphthalene	--	--	--	0.031	J	0.21	U	0.22	U	0.21	U	0.22	U	0.22	U	0.21	U	0.064	J
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
2-Nitrophenol	--	--	--	0.38	U	0.38	U	0.39	U	0.38	U	0.39	U	0.4	U	0.37	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.25	U	0.26	U	0.25	U	0.26	U	0.27	U	0.25	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.46	U	0.47	U	0.46	U	0.47	U	0.48	U	0.45	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.24	U	0.25	U	0.25	U	0.25	U	0.26	U	0.24	U	0.25	U
Acenaphthene	20	100	98	0.085	J	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.12	J
Acenaphthylene	100	1000	107	0.24		0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.072	J
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Anthracene	100	100	1000	0.28		0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.32	
Benzo(a)anthracene	1	1	1	**1.2**		0.026	J	0.048	J	0.11	U	0.056	J	0.085	J	0.1	U	0.82	
Benzo(a)pyrene	1	1	22	**1.6**		0.14	U	0.051	J	0.14	U	0.08	J	0.084	J	0.14	U	0.78	
Benzo(b)fluoranthene	1	1	1.7	**2**		0.029	J	0.054	J	0.11	U	0.088	J	0.088	J	0.1	U	0.92	
Benzo(ghi)perylene	100	100	1000	0.8		0.14	U	0.031	J	0.14	U	0.034	J	0.046	J	0.14	U	0.34	
Benzo(k)fluoranthene	0.8	3.9	1.7	0.64		0.1	U	0.11	U	0.11	U	0.11	U	0.03	J	0.1	U	0.26	
Benzoic Acid	--	--	--	0.58	U	0.57	U	0.59	U	0.57	U	0.59	U	0.6	U	0.56	U	0.58	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Biphenyl	--	--	--	0.41	U	0.4	U	0.41	U	0.4	U	0.41	U	0.42	U	0.4	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.19	U	0.2	U	0.19	U	0.2	U	0.2	U	0.19	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.22	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.1	J
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Carbazole	--	--	--	0.086	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.1	J
Chrysene	1	3.9	1	**1.2**		0.022	J	0.045	J	0.11	U	0.06	J	0.09	J	0.1	U	0.86	
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.17		0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.078	J
Dibenzofuran	7	59	210	0.046	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.069	J
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Fluoranthene	100	100	1000	1.7		0.042	J	0.086	J	0.11	U	0.088	J	0.15		0.1	U	1.6	
Fluorene	30	100	386	0.064	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.11	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.5	U	0.52	U	0.5	U	0.52	U	0.53	U	0.5	U	0.51	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	**0.97**		0.14	U	0.032	J	0.14	U	0.038	J	0.046	J	0.14	U	0.37	
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Naphthalene	12	100	12	0.08	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.072	J
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.22	
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	1.1		0.023	J	0.067	J	0.11	U	0.076	J	0.11		0.1	U	1.3	
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.18	U
Pyrene	100	100	1000	1.8		0.043	J	0.09	J	0.11	U	0.086	J	0.16		0.1	U	1.7	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-15A		EP-16		EP-17		EP-17A		EP-17B		EP-18		EP-18A		EP-19	
LAB SAMPLE ID				L2365609-04		L2351329-04		L2355164-09		L2365609-05		L2367513-01		L2365609-02		L2411582-08		L2351329-03	
DATE				11/3/2023		9/5/2023		9/20/2023		11/3/2023		11/14/2023		11/3/2023		3/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				6		5		5		6		8		5.5		6.5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.029	U	0.027	U	0.027	U	0.03	U	0.027	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.92	U	0.86	U	0.88	U	0.94	U	0.86	U	0.87	U	0.87	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.23	U	0.22	U	3.4		0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.39	U	0.39	U	0.42	U	0.39	U	0.39	U	0.39	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.28	U	0.26	U	0.26	U	0.28	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.5	U	0.47	U	0.47	U	0.51	U	0.47	U	0.47	U	0.47	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.27	U	0.25	U	0.26	U	0.28	U	0.25	U	0.25	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.26		0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.16		0.16	U	0.14	U	0.03	J	0.14	U	0.14	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.36		0.12	U	0.11	U	0.059	J	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.084	J	0.11	U	0.62		0.12	U	0.11	U	0.22		0.022	J	0.11	U
Benzo(a)pyrene	1	1	22	0.1	J	0.14	U	0.66		0.16	U	0.14	U	0.27		0.14	U	0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.12		0.11	U	0.81		0.12	U	0.11	U	0.28		0.11	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.06	J	0.14	U	0.39		0.16	U	0.14	U	0.15		0.14	U	0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.037	J	0.11	U	0.23		0.12	U	0.11	U	0.1	J	0.11	U	0.11	U
Benzoic Acid	--	--	--	0.62	U	0.58	U	0.59	U	0.64	U	0.58	U	0.58	U	0.59	U	0.59	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.44	U	0.41	U	0.35	J	0.45	U	0.41	U	0.41	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.21	U	0.19	U	0.2	U	0.21	U	0.19	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.22	U	0.22	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.19	U	0.18	U	0.22		0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.02	J	0.18	U	0.18	U
Chrysene	1	3.9	1	0.082	J	0.11	U	0.61		0.12	U	0.11	U	0.28		0.021	J	0.11	U
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.11	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U	0.11		0.12	U	0.18	U	0.033	J	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.19	U	0.18	U	0.64		0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.15		0.11	U	1.8		0.12	U	0.11	U	0.39		0.039	J	0.11	U
Fluorene	30	100	386	0.19	U	0.18	U	0.74		0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.55	U	0.52	U	0.52	U	0.56	U	0.51	U	0.52	U	0.52	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.062	J	0.14	U	**0.58**		0.16	U	0.14	U	0.15		0.14	U	0.14	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.19	U	0.18	U	0.51		0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.18	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.097	J	0.11	U	1.7		0.12	U	0.11	U	0.22		0.022	J	0.11	U
Phenol	0.33	100	0.33	0.19	U	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.15		0.11	U	1.8		0.12	U	0.11	U	0.42		0.038	J	0.11	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-21		EP-21A		EP-22		EP-22A		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2351329-02		L2343987-04 R1		L2411582-07		L2343987-03 R1		L2364575-01		L2343987-01		L2343987-02		L2343987-05	
DATE				9/5/2023		7/31/2023		3/4/2024		7/31/2023		10/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		8		8		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.028	U	0.027	U	0.029	U	0.028	U	0.031	U	0.031	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.85	U	0.89	U	0.87	U	0.92	U	0.89	U	1	U	0.98	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Methylnaphthalene	--	--	--	0.21	U	23	E	0.22	U	21	E	0.22	U	0.21	J	0.24	U	5.2	
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitrophenol	--	--	--	0.38	U	0.4	U	0.39	U	0.42	U	0.4	U	0.45	U	0.44	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.27	U	0.26	U	0.28	U	0.27	U	0.3	U	0.29	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.48	U	0.47	U	0.5	U	0.48	U	0.54	U	0.53	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitrophenol	--	--	--	0.25	U	0.26	U	0.25	U	0.27	U	0.26	U	0.29	U	0.29	U	0.26	U
Acenaphthene	20	100	98	0.14	U	0.022	J	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.023	J
Acenaphthylene	100	1000	107	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Benzo(a)anthracene	1	1	1	0.11	U	0.11	U	0.021	J	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Benzo(a)pyrene	1	1	22	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.6	U	0.59	U	0.62	U	0.6	U	0.67	U	0.66	U	0.61	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Biphenyl	--	--	--	0.4	U	0.17	J	0.41	U	0.15	J	0.42	U	0.47	U	0.47	U	0.17	J
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.2	U	0.21	U	0.2	U	0.22	U	0.22	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.22	U	0.23	U	0.22	U	0.25	U	0.24	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Carbazole	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Chrysene	1	3.9	1	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.18	U	0.019	J	0.19	U	0.21	U	0.2	U	0.19	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Fluoranthene	100	100	1000	0.11	U	0.11	U	0.026	J	0.12	U	0.11	U	0.12	U	0.12	U	0.023	J
Fluorene	30	100	386	0.18	U	0.024	J	0.18	U	0.022	J	0.19	U	0.21	U	0.2	U	0.038	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.53	U	0.52	U	0.55	U	0.53	U	0.59	U	0.58	U	0.54	U
Hexachloroethane	--	--	--	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Isophorone	--	--	--	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Naphthalene	12	100	12	0.18	U	**30**	**E**	0.18	U	**24**	**E**	0.19	U	0.12	J	0.2	U	2.2	
NDPA/DPA	--	--	--	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Nitrobenzene	--	--	--	0.16	U	0.17	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Phenanthrene	100	100	1000	0.11	U	0.05	J	0.11	U	0.053	J	0.11	U	0.12	U	0.12	U	0.072	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.19	U	0.21	U	0.2	U	0.19	U
Pyrene	100	100	1000	0.11	U	0.019	J	0.026	J	0.12	U	0.11	U	0.12	U	0.12	U	0.028	J

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-31		EP-32		EP-33	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2362844-01		L2355164-01		L2348172-06	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		10/23/2023		9/20/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		10		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.028	U	0.027	U	0.03	U	0.027	U	0.031	U	0.028	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.19	U	0.17	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.91	U	0.86	U	0.94	U	0.87	U	1	U	0.89	U	0.89	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.023	J	0.23	U	0.21	U	0.24	U	0.22	U	0.25	U	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.41	U	0.39	U	0.42	U	0.39	U	0.45	U	0.4	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.27	U	0.26	U	0.28	U	0.26	U	0.3	U	0.27	U	0.27	U
3-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.49	U	0.46	U	0.51	U	0.47	U	0.54	U	0.48	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.25	U	0.28	U	0.26	U	0.29	U	0.26	U	0.26	U
Acenaphthene	20	100	98	0.048	J	0.15	U	0.14	U	0.16	U	0.14	U	0.17	U	0.034	J	0.15	U
Acenaphthylene	100	1000	107	0.067	J	0.15	U	0.14	U	0.16	U	0.14	U	0.035	J	0.15	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.16		0.11	U	0.11	U	0.12	U	0.036	J	0.12	U	0.082	J	0.11	U
Benzo(a)anthracene	1	1	1	0.73		0.045	J	0.11	U	0.12	U	0.097	J	0.12	U	0.33		0.1	J
Benzo(a)pyrene	1	1	22	0.72		0.15	U	0.14	U	0.16	U	0.095	J	0.17	U	0.3		0.1	J
Benzo(b)fluoranthene	1	1	1.7	0.92		0.052	J	0.11	U	0.12	U	0.1	J	0.12	U	0.32		0.12	
Benzo(ghi)perylene	100	100	1000	0.44		0.026	J	0.14	U	0.16	U	0.055	J	0.17	U	0.15		0.059	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.25		0.11	U	0.11	U	0.12	U	0.031	J	0.12	U	0.11		0.039	J
Benzoic Acid	--	--	--	0.61	U	0.61	U	0.58	U	0.64	U	0.59	U	0.67	U	0.6	U	0.6	U
Benzyl Alcohol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.43	U	0.43	U	0.41	U	0.45	U	0.42	U	0.47	U	0.42	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.19	U	0.21	U	0.2	U	0.22	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.19	U	0.17	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.23	U	0.21	U	0.24	U	0.22	U	0.25	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.11	J	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Carbazole	--	--	--	0.07	J	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.028	J	0.18	U
Chrysene	1	3.9	1	0.71		0.043	J	0.11	U	0.12	U	0.097	J	0.12	U	0.33		0.1	J
Di-n-butylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.099	J	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.035	J	0.11	U
Dibenzofuran	7	59	210	0.026	J	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	1.3		0.078	J	0.11	U	0.12	U	0.2		0.12	U	0.62		0.18	
Fluorene	30	100	386	0.044	J	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.034	J	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.54	U	0.51	U	0.56	U	0.52	U	0.59	U	0.53	U	0.53	U
Hexachloroethane	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.17	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.49		0.026	J	0.14	U	0.16	U	0.056	J	0.17	U	0.17		0.066	J
Isophorone	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.19	U	0.17	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.042	J	0.19	U	0.022	J	0.2	U	0.18	U	0.21	U	0.022	J	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.17	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.19	U	0.17	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.17	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.6		0.045	J	0.11	U	0.12	U	0.15		0.12	U	0.45		0.11	
Phenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.21	U	0.18	U	0.18	U
Pyrene	100	100	1000	1.2		0.08	J	0.11	U	0.12	U	0.19		0.12	U	0.69		0.18	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-34		EP-35		EP-36		EP-37		EP-38		EP-39		EP-40		EP-41	
LAB SAMPLE ID				L2348172-07		L2348172-08		L2355164-02		L2355164-10		L2402095-01		L2351329-01		L2411582-01		L2411582-02	
DATE				8/18/2023		8/18/2023		9/20/2023		9/20/2023		1/12/2024		9/5/2023		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.029	U	0.03	U	0.027	U	0.026	U	0.029	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.1	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.89	U	0.87	U	0.93	U	0.96	U	0.88	U	0.85	U	0.92	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U	0.23	U	0.24	U	0.22	U	0.21	U	0.029	J	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.39	U	0.42	U	0.43	U	0.39	U	0.38	U	0.41	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.28	U	0.29	U	0.26	U	0.25	U	0.28	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.47	U	0.5	U	0.52	U	0.48	U	0.46	U	0.5	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.27	U	0.28	U	0.26	U	0.25	U	0.27	U	0.26	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U	0.14	U	0.082	J	0.069	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.1	U	0.098	J	0.083	J
Benzo(a)anthracene	1	1	1	0.057	J	0.028	J	0.035	J	0.12	U	0.11	U	0.068	J	0.2		0.15	
Benzo(a)pyrene	1	1	22	0.057	J	0.14	U	0.15	U	0.16	U	0.15	U	0.071	J	0.21		0.16	
Benzo(b)fluoranthene	1	1	1.7	0.069	J	0.032	J	0.033	J	0.12	U	0.11	U	0.082	J	0.27		0.2	
Benzo(ghi)perylene	100	100	1000	0.033	J	0.14	U	0.15	U	0.16	U	0.15	U	0.048	J	0.14	J	0.098	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.1	U	0.087	J	0.059	J
Benzoic Acid	--	--	--	0.6	U	0.58	U	0.63	U	0.64	U	0.59	U	0.57	U	0.62	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Biphenyl	--	--	--	0.42	U	0.41	U	0.44	U	0.45	U	0.42	U	0.4	U	0.44	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.21	U	0.22	U	0.2	U	0.19	U	0.21	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.22	U	0.23	U	0.24	U	0.22	U	0.21	U	0.23	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Carbazole	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.062	J	0.039	J
Chrysene	1	3.9	1	0.056	J	0.026	J	0.036	J	0.12	U	0.11	U	0.07	J	0.19		0.15	
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.1	U	0.034	J	0.023	J
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.036	J	0.031	J
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Fluoranthene	100	100	1000	0.093	J	0.039	J	0.066	J	0.12	U	0.03	J	0.11		0.49		0.41	
Fluorene	30	100	386	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.054	J	0.045	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.1	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.53	U	0.52	U	0.55	U	0.57	U	0.52	U	0.5	U	0.55	U	0.53	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.038	J	0.14	U	0.15	U	0.16	U	0.15	U	0.042	J	0.14	J	0.096	J
Isophorone	--	--	--	0.17	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.062	J	0.065	J
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.16	U	0.15	U	0.14	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.04	J	0.11	U	0.05	J	0.12	U	0.11	U	0.049	J	0.37		0.33	
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.18	U
Pyrene	100	100	1000	0.088	J	0.04	J	0.063	J	0.12	U	0.028	J	0.11		0.42		0.34	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-42		EP-43		EP-43		EP-44		EP-45		EP-46		EP-47	
LAB SAMPLE ID				L2418995-01		L2422539-07		L2430995-06		L2433652-01		L2422539-02		L2422539-01		L2431297-01		L2430995-07	
DATE				4/8/2024		4/24/2024		6/4/2024		6/14/2024		6/4/2024		6/4/2024		6/5/2024		6/4/2024	
SAMPLE DEPTH (ft.)				5.5		5		5		5.5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.03	U	0.029	U	0.028	U	0.028	U	0.028	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U	0.16	U	0.16	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.85	U	0.97	U	0.94	U	0.89	U	0.88	U	0.88	U	0.89	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.23	U	0.21	U	0.24	U	0.24	U	0.024	J	0.22	U	0.22	U	0.024	J
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.41	U	0.38	U	0.44	U	0.42	U	0.4	U	0.4	U	0.4	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.29	U	0.28	U	0.27	U	0.26	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.5	U	0.46	U	0.53	U	0.51	U	0.48	U	0.48	U	0.48	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.27	U	0.25	U	0.28	U	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U
Acenaphthene	20	100	98	0.08	J	0.14	U	0.16		0.061	J	0.13	J	0.06	J	0.049	J	0.13	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	J	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Anthracene	100	100	1000	0.11		0.11	U	1.6		0.073	J	0.14		0.084	J	0.074	J	0.14	
Benzo(a)anthracene	1	1	1	0.31		0.11	U	**3.5**		0.19		0.3		0.18		0.17		0.3	
Benzo(a)pyrene	1	1	22	0.3		0.14	U	**3.2**		0.18		0.3		0.18		0.16		0.3	
Benzo(b)fluoranthene	1	1	1.7	0.39		0.11	U	**3.6**		0.23		0.34		0.22		0.19		0.34	
Benzo(ghi)perylene	100	100	1000	0.19		0.14	U	1.6		0.12	J	0.19		0.11	J	0.1	J	0.19	
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11		0.11	U	**1.2**		0.075	J	0.14		0.066	J	0.064	J	0.14	
Benzoic Acid	--	--	--	0.62	U	0.58	U	0.66	U	0.64	U	0.6	U	0.6	U	0.59	U	0.6	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.43	U	0.4	U	0.46	U	0.45	U	0.42	U	0.42	U	0.42	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.22	U	0.21	U	0.2	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U	0.16	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.21	U	0.24	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.073	J	0.18	U	0.2	U	0.2	U	0.081	J	0.087	J	0.18	U	0.081	J
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Carbazole	--	--	--	0.057	J	0.18	U	0.065	J	0.04	J	0.081	J	0.049	J	0.043	J	0.081	J
Chrysene	1	3.9	1	0.26		0.11	U	**3.1**		0.16		0.27		0.16		0.16		0.27	
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.41		0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.1	J	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.043	J	0.11	U	0.2	U	0.029	J	0.045	J	0.025	J	0.024	J	0.045	J
Dibenzofuran	7	59	210	0.034	J	0.18	U	0.2	U	0.023	J	0.057	J	0.034	J	0.03	J	0.057	J
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	0.66		0.11	U	7.8		0.39		0.78		0.47		0.37		0.78	
Fluorene	30	100	386	0.056	J	0.18	U	0.3		0.036	J	0.086	J	0.044	J	0.04	J	0.086	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.51	U	0.58	U	0.56	U	0.53	U	0.52	U	0.52	U	0.53	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.16	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.19		0.14	U	**1.7**		0.11	J	0.18		0.11	J	0.096	J	0.18	
Isophorone	--	--	--	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U	0.16	U	0.16	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.034	J	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Naphthalene	12	100	12	0.046	J	0.18	U	0.16	U	0.04	J	0.066	J	0.044	J	0.042	J	0.066	J
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.18	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.2	U	0.18	U	0.17	U	0.16	U	0.16	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.16	U	0.16	U	0.15	U	0.15	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.43		0.11	U	4.9		0.28		0.62		0.35		0.29		0.62	
Phenol	0.33	100	0.33	0.19	U	0.18	U	0.2	U	0.2	U	0.19	U	0.18	U	0.18	U	0.19	U
Pyrene	100	100	1000	0.54		0.11	U	6.8		0.33		0.67		0.39		0.3		0.67	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-48		EP-49		EP-50		EP-51		EP-52		EP-53		EP-54		EP-55	
LAB SAMPLE ID				L2422539-03		L2422539-04		L2431297-05		L2431297-03		L2422539-05		L2422539-06		L2431297-04		L2431297-02	
DATE				4/24/2024		4/24/2024		6/5/2024		6/5/2024		4/24/2024		4/24/2024		6/5/2024		6/5/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	0.028	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.88	U	0.86	U	0.86	U	0.87	U	0.87	U	0.86	U	0.89	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U	0.038	J	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.39	U	0.38	U	0.39	U	0.39	U	0.38	U	0.4	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.46	U	0.46	U	0.47	U	0.47	U	0.46	U	0.48	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.26	U	0.26	U
Acenaphthene	20	100	98	0.06	J	0.031	J	0.018	J	0.14	U	0.044	J	0.14		0.047	J	0.15	U
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.14	U	0.14	U	0.053	J	0.028	J	0.15	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.084	J	0.056	J	0.037	J	0.11	U	0.075	J	0.21		0.064	J	0.11	U
Benzo(a)anthracene	1	1	1	0.18		0.16		0.1	J	0.054	J	0.14		0.4		0.12		0.089	J
Benzo(a)pyrene	1	1	22	0.18		0.18		0.1	J	0.054	J	0.13	J	0.36		0.12	J	0.086	J
Benzo(b)fluoranthene	1	1	1.7	0.22		0.21		0.13		0.065	J	0.16		0.45		0.14		0.1	J
Benzo(ghi)perylene	100	100	1000	0.11	J	0.12	J	0.068	J	0.036	J	0.094	J	0.25		0.069	J	0.055	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.066	J	0.067	J	0.044	J	0.11	U	0.059	J	0.14		0.04	J	0.033	J
Benzoic Acid	--	--	--	0.6	U	0.58	U	0.58	U	0.58	U	0.59	U	0.18	J	0.6	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.42	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	0.42	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.19	U	0.2	U	0.2	U	0.19	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.087	J	0.18	U	0.064	J	0.072	J	0.099	J	0.18	U	0.18	U	0.073	J
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.075	J	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.049	J	0.031	J	0.022	J	0.18	U	0.04	J	0.12	J	0.032	J	0.18	U
Chrysene	1	3.9	1	0.16		0.15		0.1	J	0.048	J	0.13		0.35		0.1	J	0.083	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.025	J	0.026	J	0.11	U	0.11	U	0.021	J	0.055	J	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.034	J	0.02	J	0.18	U	0.18	U	0.027	J	0.096	J	0.023	J	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.47		0.38		0.22		0.1	J	0.36		1.1		0.28		0.17	
Fluorene	30	100	386	0.044	J	0.025	J	0.017	J	0.18	U	0.034	J	0.11	J	0.033	J	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.51	U	0.51	U	0.52	U	0.52	U	0.51	U	0.53	U	0.53	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.11	J	0.11	J	0.065	J	0.033	J	0.084	J	0.23		0.067	J	0.053	J
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.044	J	0.026	J	0.18	U	0.18	U	0.035	J	0.11	J	0.037	J	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.35		0.23		0.15		0.074	J	0.27		0.91		0.24		0.12	
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.39		0.34		0.19		0.094	J	0.32		0.91		0.22		0.16	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-56		EP-57		EP-58		EP-59		EP-60		EP-60A		EP-61		EP-62	
LAB SAMPLE ID				L2439875-02		L2439875-01		L2411582-03		L2418995-02		L2411582-06		L2418995-05		L2418995-04		L2411582-04	
DATE				7/16/2024		7/16/2024		3/4/2024		4/8/2024		3/4/2024		4/8/2024		4/8/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		`		5		5.5		5		6		5.5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.029	U	0.027	U	0.027	U	0.028	U	0.028	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.17	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.88	U	0.88	U	0.92	U	0.86	U	0.88	U	0.9	U	0.89	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U	0.029	J	0.21	U	0.06	J	0.22	U	0.032	J	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.4	U	0.39	U	0.41	U	0.39	U	0.39	U	0.4	U	0.4	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.26	U	0.28	U	0.26	U	0.26	U	0.27	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.47	U	0.5	U	0.46	U	0.47	U	0.49	U	0.48	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.27	U	0.25	U	0.26	U	0.26	U	0.26	U	0.26	U
Acenaphthene	20	100	98	0.034	J	0.029	J	0.11	J	0.073	J	0.39		0.027	J	0.18		0.04	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Anthracene	100	100	1000	0.054	J	0.045	J	0.13		0.1	J	0.36		0.11	U	0.17		0.062	J
Benzo(a)anthracene	1	1	1	0.1	J	0.095	J	0.28		0.26		0.8		0.066	J	0.38		0.14	
Benzo(a)pyrene	1	1	22	0.093	J	0.089	J	0.28		0.25		0.76		0.065	J	0.37		0.14	J
Benzo(b)fluoranthene	1	1	1.7	0.12		0.11		0.34		0.32		0.96		0.089	J	0.5		0.17	
Benzo(ghi)perylene	100	100	1000	0.061	J	0.06	J	0.19		0.15		0.48		0.043	J	0.22		0.089	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.04	J	0.048	J	0.13		0.1	J	0.34		0.11	U	0.13		0.054	J
Benzoic Acid	--	--	--	0.59	U	0.59	U	0.62	U	0.58	U	0.59	U	0.61	U	0.6	U	0.61	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.42	U	0.42	U	0.44	U	0.41	U	0.42	U	0.43	U	0.42	U	0.43	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.21	U	0.19	U	0.2	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.17	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.22	U	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.068	J	0.18	U	0.065	J	0.094	J	0.19	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Carbazole	--	--	--	0.03	J	0.024	J	0.08	J	0.045	J	0.21		0.19	U	0.1	J	0.032	J
Chrysene	1	3.9	1	0.1	J	0.094	J	0.27		0.24		0.75		0.061	J	0.35		0.13	
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U	0.048	J	0.035	J	0.13		0.11	U	0.054	J	0.022	J
Dibenzofuran	7	59	210	0.019	J	0.017	J	0.048	J	0.029	J	0.14	J	0.19	U	0.063	J	0.19	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	0.26		0.23		0.67		0.56		1.9		0.15		0.86		0.33	
Fluorene	30	100	386	0.023	J	0.02	J	0.076	J	0.05	J	0.22		0.19	U	0.097	J	0.029	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.52	U	0.55	U	0.51	U	0.52	U	0.54	U	0.53	U	0.54	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.054	J	0.05	J	0.18		0.15		0.49		0.042	J	0.23		0.088	J
Isophorone	--	--	--	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.17	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Naphthalene	12	100	12	0.03	J	0.033	J	0.073	J	0.036	J	0.2		0.19	U	0.1	J	0.033	J
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.17	U	0.16	U	0.16	U	0.17	U	0.17	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.21		0.17		0.51		0.38		1.4		0.11		0.66		0.23	
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U
Pyrene	100	100	1000	0.22		0.2		0.58		0.46		1.6		0.12		0.68		0.29	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 4- Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-63		EP-64		EP-65		EP-66		EP-67		EP-68		EP-69		FD-2	
LAB SAMPLE ID				L2411582-05		L2418995-03		L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03		L2351329-08	
DATE				3/4/2024		4/8/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				5		5.5		5.5		5.5		5.5		5.5		6		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.028	U	0.028	U	0.028	U	0.027	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.86	U	0.9	U	0.89	U	0.88	U	0.86	U	0.87	U	0.86	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.038	J	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.39	U	0.41	U	0.4	U	0.4	U	0.39	U	0.39	U	0.38	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.27	U	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.49	U	0.48	U	0.48	U	0.46	U	0.47	U	0.46	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.26	U	0.26	U	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.14	U	0.15		0.075	J	0.06	J	0.031	J	0.044	J	0.14		0.14	U
Acenaphthylene	100	1000	107	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.053	J	0.028	J	0.14	U
Acetophenone	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.15		0.11		0.084	J	0.056	J	0.075	J	0.21		0.11	U
Benzo(a)anthracene	1	1	1	0.079	J	0.35		0.25		0.18		0.16		0.14		0.4		0.11	U
Benzo(a)pyrene	1	1	22	0.079	J	0.33		0.22		0.18		0.18		0.13	J	0.36		0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.095	J	0.42		0.29		0.22		0.21		0.16		0.45		0.11	U
Benzo(ghi)perylene	100	100	1000	0.059	J	0.2		0.15		0.11	J	0.12	J	0.094	J	0.25		0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.031	J	0.14		0.086	J	0.066	J	0.067	J	0.059	J	0.14		0.11	U
Benzoic Acid	--	--	--	0.58	U	0.61	U	0.6	U	0.6	U	0.58	U	0.59	U	0.18	J	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.41	U	0.43	U	0.42	U	0.42	U	0.41	U	0.41	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.078	J	0.18	U	0.087	J	0.18	U	0.099	J	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.075	J	0.18	U	0.18	U
Carbazole	--	--	--	0.18	U	0.086	J	0.053	J	0.049	J	0.031	J	0.04	J	0.12	J	0.18	U
Chrysene	1	3.9	1	0.082	J	0.3		0.23		0.16		0.15		0.13		0.35		0.11	U
Di-n-butylphthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.048	J	0.034	J	0.025	J	0.026	J	0.021	J	0.055	J	0.11	U
Dibenzofuran	7	59	210	0.18	U	0.057	J	0.03	J	0.034	J	0.02	J	0.027	J	0.096	J	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.16		0.78		0.55		0.47		0.38		0.36		1.1		0.11	U
Fluorene	30	100	386	0.18	U	0.089	J	0.046	J	0.044	J	0.025	J	0.034	J	0.11	J	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.54	U	0.53	U	0.52	U	0.51	U	0.52	U	0.51	U	0.52	U
Hexachloroethane	--	--	--	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.052	J	0.2		0.14	J	0.11	J	0.11	J	0.084	J	0.23		0.14	U
Isophorone	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.07	J	0.047	J	0.044	J	0.026	J	0.035	J	0.11	J	0.18	U
NDPA/DPA	--	--	--	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.089	J	0.6		0.4		0.35		0.23		0.27		0.91		0.11	U
Phenol	0.33	100	0.33	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.16		0.62		0.47		0.39		0.34		0.32		0.91		0.11	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-06		EP-07		EP-08	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2351329-06		L2351329-05		L2355164-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		9/5/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	6380		5050		6730		5700		8610		5500		5340		7040	
Antimony, Total	--	--	--	4.38	U	4.08	U	0.441	J	4.21	U	0.495	J	4.27	U	4.24	U	4.25	U
Arsenic, Total	13	16	16	3.93		1.38		0.981		1.18		4.66		1.41		1.3		2.64	
Barium, Total	350	400	820	54.1		30.8		47.5		27.4		78.1		22.7		18.9		51.5	
Beryllium, Total	7.2	72	47	0.327	J	0.25	J	0.478		0.317	J	0.433	J	0.318	J	0.234	J	0.344	J
Cadmium, Total	2.5	4.3	7.5	0.172	J	0.817	U	0.095	J	0.092	J	0.185	J	0.853	U	0.502	J	0.095	J
Calcium, Total	--	--	--	9130		764		932		668		29200		603		596		5400	
Chromium, Total*	1	180	--	11.7		8.27		9.33		8.33		16.1		6.88		12.3		11.2	
Colbalt, Total	--	--	--	4.2		2.51		3.28		3.65		5.56		2.9		2.58		3.96	
Copper, Total	50	270	1720	35.4		7.13		4.95		5.48		30.7		6.29		8.03		14	
Iron, Total	--	--	--	12000		6850		7370		8260		13000		8590		8480		10500	
Lead, Total	63	400	450	**90.3**		13.3		6.03		12.7		**122**		5.83		3.8	J	45.8	
Magnesium, Total	--	--	--	2210		1210		1500		1660		3110		1570		1340		3180	
Manganese, Total	1600	2000	2000	268		229		600		287		383		295		230		308	
Mercury, Total	0.18	0.81	0.73	**0.278**		0.064	J	0.076	U	0.06	J	**0.399**		0.084	U	0.074	U	0.098	
Nickel, Total	30	310	130	8.98		5.54		6.28		6.4		12.6		7.08		6.52		8.62	
Potassium, Total	--	--	--	892		258		348		381		1320		481		366		636	
Selenium, Total	3.9	180	4	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.71	U	1.7	U	1.7	U
Silver, Total	2	180	8.3	0.438	U	0.408	U	0.415	U	0.421	U	0.442	U	0.427	U	0.424	U	0.425	U
Sodium, Total	--	--	--	195		45.8	J	64.2	J	65.6	J	114	J	298		120	J	137	J
Thallium, Total	--	--	--	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.71	U	1.7	U	0.53	J
Vanadium, Total	--	--	--	17.9		9.04		9.88		11		21.4		9.48		8.02		14.7	
Zinc, Total	109	2480	2480	105		18.8		18.1		19.9		87.7		15.2		15.5		49.7	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09		EP-09A		EP-10		EP-11		EP-12		EP-13		EP-14		EP-15	
LAB SAMPLE ID				L2355164-07		L2365609-03		L2365609-01		L2355164-06		L2355164-04		L2355164-03		L2351329-07		L2355164-08	
DATE				9/20/2023		11/3/2023		11/3/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		6		5.5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	6980		5950		5470		5430		7260		7620		7240		7220	
Antimony, Total	--	--	--	4.13	U	4.08	U	4.34	U	4.3	U	4.28	U	4.37	U	4.23	U	4.25	U
Arsenic, Total	13	16	16	3.14		1.52		1.73		1.06		1.52		1.75		1.62		3.3	
Barium, Total	350	400	820	49.8		25.2		28		42.1		26.8		35.9		26.9		63.8	
Beryllium, Total	7.2	72	47	0.433		0.319	J	0.296	J	0.276	J	0.32	J	0.339	J	0.354	J	0.389	J
Cadmium, Total	2.5	4.3	7.5	0.082	J	0.817	U	0.867	U	0.861	U	0.855	U	0.874	U	0.846	U	0.157	J
Calcium, Total	--	--	--	5390		1800		1430		550		779		1350		716		6290	
Chromium, Total*	1	180	--	12.7		8.14		11.8		8.02		11.1		11.6		8.91		13	
Colbalt, Total	--	--	--	4.49		3.38		4.03		2.97		3.58		3.66		3.28		3.89	
Copper, Total	50	270	1720	16.1		7.11		9.62		4.34		6.43		9.33		6.8		17.6	
Iron, Total	--	--	--	13000		9080		9310		7840		10100		10400		9900		9120	
Lead, Total	63	400	450	40.3		9.07		13.3		3.52	J	6.02		12.6		5.54		**75**	
Magnesium, Total	--	--	--	3140		2400		2160		1400		1660		1920		1620		2760	
Manganese, Total	1600	2000	2000	363		292		296		261		218		307		328		342	
Mercury, Total	0.18	0.81	0.73	0.129		0.079	U	0.082	U	0.07	U	0.07	U	0.071	U	0.085	U	0.172	
Nickel, Total	30	310	130	9.02		7.57		12.7		6.23		8.2		8.52		8.66		9.2	
Potassium, Total	--	--	--	681		579		604		338		461		480		490		592	
Selenium, Total	3.9	180	4	0.292	J	1.63	U	1.73	U	1.72	U	1.71	U	1.75	U	1.69	U	0.264	J
Silver, Total	2	180	8.3	0.413	U	0.408	U	0.434	U	0.43	U	0.428	U	0.437	U	0.423	U	0.425	U
Sodium, Total	--	--	--	144	J	81.9	J	120	J	114	J	66.4	J	77.3	J	97.8	J	307	
Thallium, Total	--	--	--	0.612	J	1.63	U	0.455	J	0.427	J	0.37	J	0.39	J	1.69	U	0.563	J
Vanadium, Total	--	--	--	19		10.9		13.2		8.79		12.4		12.8		10.9		16.4	
Zinc, Total	109	2480	2480	49.1		19.4		26		14.9		17		23.1		15.4		84.6	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-15A		EP-16		EP-17		EP-17A		EP-17B		EP-18		EP-18A		EP-19	
LAB SAMPLE ID				L2365609-04		L2351329-04		L2355164-09		L2365609-05		L2367513-01		L2365609-02		L2411582-08		L2351329-03	
DATE				11/3/2023		9/5/2023		9/20/2023		11/3/2023		11/14/2023		11/3/2023		3/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				6		5		5		6		8		5.5		6.5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	6970		6790		5950		6430		6040		7270		6070		7560	
Antimony, Total	--	--	--	4.68	U	4.33	U	4.22	U	4.71	U	4.3	U	4.22	U	10.6	U	4.36	U
Arsenic, Total	13	16	16	4.76		1.35		2.71		1.26		1.17		4.65		1.57	J	1.49	
Barium, Total	350	400	820	78.4		26.9		60.1		26.5		23.6		61.9		33.3		29.8	
Beryllium, Total	7.2	72	47	0.369	J	0.291	J	0.332	J	0.34	J	0.264	J	0.412	J	0.302	J	0.299	J
Cadmium, Total	2.5	4.3	7.5	0.937	U	0.866	U	0.122	J	0.942	U	0.86	U	0.844	U	2.12	U	0.871	U
Calcium, Total	--	--	--	3030		598		4740		574		458		4620		1430		623	
Chromium, Total*	1	180	--	11.7		10.5		10.9		8.49		8.16		13.3		9.83		14.4	
Colbalt, Total	--	--	--	3.7		3.3		3.38		3.28		4.54		3.1		3.78	J	3.34	
Copper, Total	50	270	1720	23.1		5.47		14.3		5.83		5.7		10.7		7.5		6.18	
Iron, Total	--	--	--	9980		9740		8320		9490		8380		9310		9010		10400	
Lead, Total	63	400	450	54.2		4.47		49.4		4.67		3.72	J	46.5		11.6		4.5	
Magnesium, Total	--	--	--	1840		1530		2080		1680		1460		1650		1760		1520	
Manganese, Total	1600	2000	2000	386		398		354		308		434		457		377		226	
Mercury, Total	0.18	0.81	0.73	0.081	J	0.075	U	0.115		0.078	U	0.076	U	0.081		0.071	U	0.081	U
Nickel, Total	30	310	130	8.72		7.66		7.79		7.96		7.93		7.72		7.67		8.69	
Potassium, Total	--	--	--	552		396		504		575		442		460		383	J	499	
Selenium, Total	3.9	180	4	1.87	U	1.73	U	0.496	J	1.88	U	1.72	U	1.69	U	4.24	U	1.74	U
Silver, Total	2	180	8.3	0.468	U	0.433	U	0.422	U	0.471	U	0.43	U	0.422	U	1.06	U	0.436	U
Sodium, Total	--	--	--	98.3	J	76.1	J	120	J	116	J	47.3	J	325		108	J	166	J
Thallium, Total	--	--	--	0.396	J	1.73	U	0.458	J	0.41	J	1.72	U	0.503	J	4.24	U	0.316	J
Vanadium, Total	--	--	--	15.5		11.9		13.7		11.1		9.5		12.5		12.1		12.4	
Zinc, Total	109	2480	2480	56.4		14.6		80.2		15.3		14		72.7		23.3		14.9	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-21		EP-21A		EP-22		EP-22A		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2351329-02		L2343987-04		L2411582-07		L2343987-03		L2364575-01		L2343987-01		L2343987-02		L2343987-05	
DATE				9/5/2023		7/31/2023		3/4/2024		7/31/2023		10/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		8		8		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	4710		3620		2120		4210		5460		4020		3970		3840	
Antimony, Total	--	--	--	4.15	U	4.44	U	10.4	U	4.69	U	4.55	U	4.88	U	4.76	U	4.5	U
Arsenic, Total	13	16	16	1.18		0.684	J	2.62		0.578	J	1.2		0.921	J	0.936	J	0.487	J
Barium, Total	350	400	820	33		14.1		6.33		18		23.7		19.5		15.1		18.1	
Beryllium, Total	7.2	72	47	0.252	J	0.278	J	0.16	J	0.327	J	0.312	J	0.32	J	0.315	J	0.308	J
Cadmium, Total	2.5	4.3	7.5	0.83	U	0.095	J	2.09	U	0.098	J	0.91	U	0.108	J	0.951	U	0.901	U
Calcium, Total	--	--	--	377		556		2520		486		574		554		683		510	
Chromium, Total*	1	180	--	6.75		7.71		5.29		7.32		8.45		8.05		7.65		7.19	
Colbalt, Total	--	--	--	2.77		4.25		2.15	J	3.69		3.68		3.54		3.9		3.3	
Copper, Total	50	270	1720	5.41		5.86		3.64		6.21		7.15		7.02		6.68		5.5	
Iron, Total	--	--	--	7780		7300		7020		7530		9780		8160		8300		6770	
Lead, Total	63	400	450	3.21	J	19.1		3.66	J	14.2		4.85		6.57		4.73	J	14.9	
Magnesium, Total	--	--	--	1380		1650		1180		1890		1930		1740		1900		1570	
Manganese, Total	1600	2000	2000	258		115		100		129		333		163		120		71.9	
Mercury, Total	0.18	0.81	0.73	0.077	U	0.077	U	0.069	U	0.081	U	0.084	U	0.093	U	0.081	U	0.08	U
Nickel, Total	30	310	130	6.33		7.7		5.11	J	7.77		8.07		8.2		7.56		6.76	
Potassium, Total	--	--	--	435		552		324	J	673		702		541		576		597	
Selenium, Total	3.9	180	4	1.66	U	1.78	U	4.18	U	1.88	U	1.82	U	1.95	U	1.9	U	1.8	U
Silver, Total	2	180	8.3	0.415	U	0.444	U	1.04	U	0.469	U	0.455	U	0.488	U	0.476	U	0.45	U
Sodium, Total	--	--	--	173		61.3	J	61.8	J	67.6	J	63.4	J	77.4	J	91.5	J	72.8	J
Thallium, Total	--	--	--	1.66	U	1.78	U	4.18	U	1.88	U	0.405	J	1.95	U	1.9	U	0.294	J
Vanadium, Total	--	--	--	8.81		9.18		8.13		9.07		11.1		10.6		10.7		7.83	
Zinc, Total	109	2480	2480	11.9		16.5		13.5		17.9		17.7		16.8		17.8		14.9	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-31		EP-32		EP-33	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2362844-01		L2355164-01		L2348172-06	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		10/23/2023		9/20/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		10		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	9330		6640		6010		5630		6210		4170		6480		5820	
Antimony, Total	--	--	--	4.51	U	4.37	U	4.32	U	4.62	U	4.25	U	26		4.37	U	4.42	U
Arsenic, Total	13	16	16	3.88		1.38		1.48		1.38		1.53		0.962	J	2.48		1.69	
Barium, Total	350	400	820	47.7		28.3		21.2		20.3		32		15.7		56		28.4	
Beryllium, Total	7.2	72	47	0.343	J	0.324	J	0.309	J	0.302	J	0.299	J	0.215	J	0.324	J	0.308	J
Cadmium, Total	2.5	4.3	7.5	0.17	J	0.875	U	0.864	U	0.923	U	0.85	U	0.97	U	0.874	U	0.883	U
Calcium, Total	--	--	--	2290		674		376		656		1030		395		2730		2820	
Chromium, Total*	1	180	--	16.9		9.47		8.18		8.48		9.93		6.59		11.6		8.72	
Colbalt, Total	--	--	--	4.09		3.43		3.49		3.81		3.71		2.68		4.44		3.74	
Copper, Total	50	270	1720	19.6		7.2		6.74		6.15		9.49		5.41		11.9		10.1	
Iron, Total	--	--	--	10800		9670		9510		10300		9720		7140		11600		10500	
Lead, Total	63	400	450	52		8.39		3.92	J	4.46	J	12.7		4.66	J	40.7		20.3	
Magnesium, Total	--	--	--	2630		1830		1730		1960		1910		1360		2570		2460	
Manganese, Total	1600	2000	2000	347		296		300		320		336		161		314		325	
Mercury, Total	0.18	0.81	0.73	0.09	U	0.084	U	0.073	U	0.088	U	0.081	U	0.081	U	0.111		0.117	
Nickel, Total	30	310	130	9.94		8.28		8.41		8.42		7.9		6.02		9.01		8.59	
Potassium, Total	--	--	--	756		496		441		702		462		470		704		626	
Selenium, Total	3.9	180	4	1.8	U	1.75	U	1.73	U	1.85	U	1.7	U	1.94	U	1.75	U	1.77	U
Silver, Total	2	180	8.3	0.451	U	0.437	U	0.432	U	0.462	U	0.425	U	0.485	U	0.437	U	0.442	U
Sodium, Total	--	--	--	69.8	J	74.1	J	138	J	143	J	77.1	J	96	J	101	J	108	J
Thallium, Total	--	--	--	0.503	J	1.75	U	0.282	J	0.301	J	0.322	J	0.372	J	0.561	J	0.4	J
Vanadium, Total	--	--	--	16.5		10.9		11.6		11.7		11.8		8.05		15.3		12.9	
Zinc, Total	109	2480	2480	83.3		18.7		14.8		23.8		24.4		12		37.5		28.1	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-34		EP-35		EP-36		EP-37		EP-38		EP-39		EP-40		EP-41	
LAB SAMPLE ID				L2348172-07		L2348172-08		L2355164-02		L2355164-10		L2402095-01		L2351329-01		L2411582-01		L2411582-02	
DATE				8/18/2023		8/18/2023		9/20/2023		9/20/2023		1/12/2024		9/5/2023		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	6290		6730		5130		4820		8250		5730		6270		6370	
Antimony, Total	--	--	--	4.43	U	4.19	U	4.49	U	4.59	U	4.39	U	4.14	U	11.2	U	10.9	U
Arsenic, Total	13	16	16	1.98		1.45		1.67		1.67		1.31		2.34		3.32		2.64	
Barium, Total	350	400	820	37.8		35.3		30.8		22.2		52.2		33.6		47.5		34.8	
Beryllium, Total	7.2	72	47	0.309	J	0.303	J	0.292	J	0.281	J	0.492		0.302	J	0.329	J	0.331	J
Cadmium, Total	2.5	4.3	7.5	0.886	U	0.135	J	0.899	U	0.918	U	0.877	U	0.828	U	0.224	J	2.18	U
Calcium, Total	--	--	--	1470		634		939		1880		983		1850		9690		2530	
Chromium, Total*	1	180	--	9.9		10.1		8.45		7.55		**10.8**		9.61		12.4		13.1	
Colbalt, Total	--	--	--	3.8		3.5		3.36		3.2		3.14		3.68		4.56		5.04	
Copper, Total	50	270	1720	10.7		7.14		7.17		6.58		5.53		11.7		35.6		14.4	
Iron, Total	--	--	--	9870		9860		9310		7900		8880		9780		10500		11700	
Lead, Total	63	400	450	23.5		4.74		6.97		6		6.67		29.1		48.7		22.9	
Magnesium, Total	--	--	--	1960		1900		1830		2400		1480		1940		2830		2490	
Manganese, Total	1600	2000	2000	254		253		420		217		509		294		339		394	
Mercury, Total	0.18	0.81	0.73	0.08	U	0.077	U	0.075	U	0.077	U	0.071	U	0.079	J	0.087		**0.188**	
Nickel, Total	30	310	130	9.04		9.65		7.6		7.39		7.71		8.6		9.79		11.2	
Potassium, Total	--	--	--	698		579		549		512		410		577		613		752	
Selenium, Total	3.9	180	4	1.77	U	1.68	U	1.8	U	0.256	J	1.75	U	1.66	U	4.48	U	4.36	U
Silver, Total	2	180	8.3	0.443	U	0.419	U	0.449	U	0.459	U	0.439	U	0.414	U	1.12	U	1.09	U
Sodium, Total	--	--	--	89.1	J	72.5	J	73.1	J	92.2	J	83.8	J	122	J	275	J	153	J
Thallium, Total	--	--	--	0.458	J	0.359	J	0.504	J	0.403	J	1.75	U	0.419	J	4.48	U	4.36	U
Vanadium, Total	--	--	--	14.4		11.9		11.7		10.2		10.6		12.6		14.7		15.8	
Zinc, Total	109	2480	2480	40.4		97.7		19.1		16.4		19.3		34.4		77.2		37.1	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-42		EP-43		EP-44		EP-45		EP-46		EP-47		EP-48	
LAB SAMPLE ID				L2418995-01		L2422539-07		L2430995-06		L2422539-02		L2422539-01		L2431297-01		L2430995-07		L2422539-03	
DATE				4/8/2024		4/24/2024		6/4/2024		4/24/2024		4/24/2024		6/5/2024		6/4/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5.5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	5540		5790		6110		5700		5930		6930		6000		6690	
Antimony, Total	--	--	--	4.57	U	0.34	J	4.8	U	0.392	J	0.508	J	4.3	U	4.24	U	4.38	U
Arsenic, Total	13	16	16	2.7		1.34		1.16		2.85		3.1		2.59		1.28		3.13	
Barium, Total	350	400	820	36.4		28.1		34.5		40.1		42		49.6		55.2		36.8	
Beryllium, Total	7.2	72	47	0.277	J	0.27	J	0.339	J	0.279	J	0.313	J	0.366	J	0.376	J	0.35	J
Cadmium, Total	2.5	4.3	7.5	0.913	U	0.836	U	0.96	U	0.888	U	0.9	U	0.86	U	0.848	U	0.875	U
Calcium, Total	--	--	--	5440		920		1280		5420		7210		9390		2610		5190	
Chromium, Total*	1	180	--	10.2		9.35		9.64		10.7		14.8		13.2		9.44		15	
Colbalt, Total	--	--	--	3.89		3.29		3.16		3.95		3.85		3.99		2.96		3.66	
Copper, Total	50	270	1720	13.1		5.32		4.8		16.1		13.6		14.8		5.67		10.5	
Iron, Total	--	--	--	9330		8640		8690		10100		10500		10300		7540		10600	
Lead, Total	63	400	450	30.7		5.24		4.66	J	38.8		25.8		31.6		12		21.2	
Magnesium, Total	--	--	--	2190		1560		1800		2330		2700		1800		1360		2490	
Manganese, Total	1600	2000	2000	287		198		342		316		372		386		558		346	
Mercury, Total	0.18	0.81	0.73	0.081	J	0.069	U	0.083	U	0.084	U	0.055	J	0.09		0.088	U	0.085	U
Nickel, Total	30	310	130	8.34		7.24		6.74		8.78		9.45		8.37		6.64		8.44	
Potassium, Total	--	--	--	629		459		314		657		673		485		492		632	
Selenium, Total	3.9	180	4	1.83	U	1.67	U	1.92	U	1.78	U	1.8	U	0.569	J	1.7	U	1.75	U
Silver, Total	2	180	8.3	0.457	U	0.418	U	0.48	U	0.444	U	0.45	U	0.43	U	0.424	U	0.438	U
Sodium, Total	--	--	--	163	J	117	J	93.6	J	130	J	151	J	175		83.4	J	152	J
Thallium, Total	--	--	--	1.83	U	0.346	J	1.92	U	0.475	J	0.303	J	1.72	U	1.7	U	1.75	U
Vanadium, Total	--	--	--	12.7		10.6		10.6		14.6		13.8		12.6		10.2		14.2	
Zinc, Total	109	2480	2480	42.7		15.2		16.5		44.5		39.7		65.6		21.2		30.9	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-49		EP-50		EP-51		EP-52		EP-53		EP-54		EP-55		EP-56	
LAB SAMPLE ID				L2422539-04		L2431297-05		L2431297-03		L2422539-05		L2422539-06		L2431297-04		L2431297-02		L2439875-02	
DATE				4/24/2024		6/5/2024		6/5/2024		4/24/2024		4/24/2024		6/5/2024		6/5/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	5550		7220		5060		5620		7080		4570		6070		7320	
Antimony, Total	--	--	--	0.43	J	4.24	U	4.22	U	0.447	J	0.384	J	4.39	U	4.37	U	4.34	U
Arsenic, Total	13	16	16	3.34		3.76		1.87		2.79		6.63		1.7		2.43		3.68	
Barium, Total	350	400	820	40.4		50.6		25.2		35.9		59		22		28		38.7	
Beryllium, Total	7.2	72	47	0.358	J	0.342	J	0.26	J	0.319	J	0.403	J	0.216	J	0.32	J	0.406	J
Cadmium, Total	2.5	4.3	7.5	0.878	U	0.847	U	0.845	U	0.859	U	0.86	U	0.878	U	0.874	U	0.868	U
Calcium, Total	--	--	--	4400		12200		2970		5390		14400		2020		2060		10100	
Chromium, Total*	1	180	--	12		11.6		8.77		10.1		14.6		8.02		10.7		15.2	
Colbalt, Total	--	--	--	4.81		3.86		2.89		3.58		4.7		2.84		3.58		3.85	
Copper, Total	50	270	1720	21.8		12.4		6.35		11.4		16.1		5.22		8.33		15.3	
Iron, Total	--	--	--	10100		10400		8140		9790		12400		8100		9450		15000	
Lead, Total	63	400	450	31.4		25.8		11.4		19.4		28.7		7.75		15.9		**69**	
Magnesium, Total	--	--	--	2140		1960		1420		2070		2590		1390		1660		3820	
Manganese, Total	1600	2000	2000	269		349		228		311		272		183		334		299	
Mercury, Total	0.18	0.81	0.73	0.064	J	0.073	J	0.078	U	0.091	U	0.062	J	0.076	U	0.071	J	0.057	J
Nickel, Total	30	310	130	9.23		8.16		5.8		8.38		10.9		5.85		7.28		9.89	
Potassium, Total	--	--	--	634		521		397		601		847		384		477		763	
Selenium, Total	3.9	180	4	1.76	U	0.624	J	0.716	J	1.72	U	1.72	U	0.282	J	0.33	J	1.74	U
Silver, Total	2	180	8.3	0.439	U	0.424	U	0.422	U	0.43	U	0.43	U	0.439	U	0.437	U	0.434	U
Sodium, Total	--	--	--	177		226		183		228		279		163	J	122	J	201	
Thallium, Total	--	--	--	0.383	J	1.69	U	1.69	U	0.33	J	0.493	J	1.76	U	1.75	U	1.74	U
Vanadium, Total	--	--	--	13.6		13.7		10.2		13.3		16.8		9.23		11		20	
Zinc, Total	109	2480	2480	66.2		39.9		24.6		34.3		64.1		19.2		29.9		81.2	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-57		EP-58		EP-59		EP-60		EP-61		EP-62		EP-63		EP-64	
LAB SAMPLE ID				L2439875-01		L2411582-03		L2418995-02		L2411582-06		L2418995-04		L2411582-04		L2411582-05		L2418995-03	
DATE				7/16/2024		3/4/2024		4/8/2024		3/4/2024		4/8/2024		3/4/2024		3/4/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5		5		5.5		5		5.5		5		5		5.5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	4120		6130		5290		6560		6180		5850		5100		5340	
Antimony, Total	--	--	--	4.38	U	11	U	4.23	U	0.841	J	0.467	J	10.9	U	10.6	U	4.43	U
Arsenic, Total	13	16	16	1.79		2.97		2.02		5.16		3.57		2.57		1.23	J	2.06	
Barium, Total	350	400	820	26.2		46.6		34.1		53.3		60.4		36.2		26.5		27.2	
Beryllium, Total	7.2	72	47	0.258	J	0.329	J	0.283	J	0.354	J	0.308	J	0.318	J	0.223	J	0.275	J
Cadmium, Total	2.5	4.3	7.5	0.141	J	2.2	U	0.846	U	2.13	U	0.863	U	2.18	U	2.12	U	0.887	U
Calcium, Total	--	--	--	5980		6410		2360		10900		6400		6840		615		2550	
Chromium, Total*	1	180	--	11.9		11.5		8.76		15.1		11.8		11.4		9.1		8.28	
Colbalt, Total	--	--	--	3.16		4.28	J	3.6		4.65		4.64		3.85	J	3.19	J	3.87	
Copper, Total	50	270	1720	14		28.6		8.74		21.6		26.5		20.5		3.99		10.2	
Iron, Total	--	--	--	10600		10500		8880		11700		9750		10000		8480		9200	
Lead, Total	63	400	450	22.2		50.1		13.6		**66.1**		**71.1**		32.7		4.6	J	14.8	
Magnesium, Total	--	--	--	1980		2210		1800		2820		2640		2380		1330		1870	
Manganese, Total	1600	2000	2000	186		344		299		314		326		304		241		319	
Mercury, Total	0.18	0.81	0.73	0.076	J	0.096		0.078	U	0.117		0.112		0.073		0.07	U	0.079	U
Nickel, Total	30	310	130	8.42		9.09		8.32		10.6		9.99		9.64		5.93		8.1	
Potassium, Total	--	--	--	636		557		490		702		804		562		258	J	554	
Selenium, Total	3.9	180	4	1.75	U	4.4	U	1.69	U	0.733	J	1.72	U	0.591	J	4.25	U	1.77	U
Silver, Total	2	180	8.3	0.438	U	1.1	U	0.423	U	1.06	U	0.431	U	1.09	U	1.06	U	0.443	U
Sodium, Total	--	--	--	157	J	774		119	J	200	J	293		313	J	99.8	J	167	J
Thallium, Total	--	--	--	1.75	U	4.4	U	1.69	U	4.25	U	1.72	U	4.37	U	4.25	U	1.77	U
Vanadium, Total	--	--	--	17.5		13.6		11.2		16.6		14.2		13.8		10.8		11.3	
Zinc, Total	109	2480	2480	32.5		70.8		23.9		80.7		75.6		50.6		15.4		26.2	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-65		EP-66		EP-67		EP-68		EP-69		FD-2	
LAB SAMPLE ID				L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03		L2351329-08	
DATE				6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		6		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	5590		5690		5240		5050		6040		6930	
Antimony, Total	--	--	--	0.62	J	0.336	J	0.435	J	4.31	U	4.66	U	4.26	U
Arsenic, Total	13	16	16	4.74		2.96		2.6		2.05		1.6		1.36	
Barium, Total	350	400	820	39.6		33.8		28.4		28		19.9		24.6	
Beryllium, Total	7.2	72	47	0.6		0.512		0.289	J	0.281	J	0.316	J	0.288	J
Cadmium, Total	2.5	4.3	7.5	0.11	J	0.861	U	0.832	U	0.862	U	0.932	U	0.852	U
Calcium, Total	--	--	--	5290		4060		16200		12100		1180		580	
Chromium, Total*	1	180	--	12.3		15.7		9.39		8.54		8.67		10.6	
Colbalt, Total	--	--	--	5.12		3.85		3.88		3.07		3.76		3.32	
Copper, Total	50	270	1720	33		22.8		13.1		7.9		7.33		5.27	
Iron, Total	--	--	--	11400		10400		10100		8070		9610		9640	
Lead, Total	63	400	450	37.2		21.2		18		13		6.14		4.22	J
Magnesium, Total	--	--	--	2250		1730		8860		1570		1830		1480	
Manganese, Total	1600	2000	2000	299		237		274		272		261		234	
Mercury, Total	0.18	0.81	0.73	0.071	J	0.076	J	0.076		0.08	U	0.092	U	0.081	U
Nickel, Total	30	310	130	10.7		8.85		7.6		6.56		8.27		7.44	
Potassium, Total	--	--	--	628		641		529		499		874		387	
Selenium, Total	3.9	180	4	0.344	J	1.72	U	1.66	U	1.72	U	1.86	U	1.7	U
Silver, Total	2	180	8.3	0.457	U	0.43	U	0.416	U	0.431	U	0.466	U	0.426	U
Sodium, Total	--	--	--	171	J	160	J	161	J	247		360		73.9	J
Thallium, Total	--	--	--	1.83	U	1.72	U	1.66	U	1.72	U	1.86	U	1.7	U
Vanadium, Total	--	--	--	12.7		11.9		11.6		9.73		10.6		11.7	
Zinc, Total	109	2480	2480	166		72.8		31.8		26.2		19		14.6	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-06		EP-07		EP-08	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2351329-06		L2351329-05		L2355164-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		9/5/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
4,4'-DDE	0.0033	8.9	17	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.000927	J
4,4'-DDT	0.0033	7.9	136	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Aldrin	0.005	0.097	0.19	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Alpha-BHC	0.02	0.48	0.02	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000715	U	0.000682	U	0.000712	U
Beta-BHC	0.036	0.36	0.09	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Chlordane	--	--	--	0.0149	U	0.0134	U	0.0142	U	0.0145	U	0.0144	U	0.0143	U	0.0136	U	0.0142	U
cis-Chlordane	0.094	4.2	2.9	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00215	U	0.00204	U	0.00214	U
Delta-BHC	0.04	100	0.25	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00101	U	0.00106	U	0.00109	U	0.00108	U	0.00107	U	0.00102	U	0.00107	U
Endosulfan I	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Endosulfan II	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Endosulfan sulfate	2.4	24	1000	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000715	U	0.000682	U	0.000712	U
Endrin	0.014	11	0.06	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000715	U	0.000682	U	0.000712	U
Endrin aldehyde	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00215	U	0.00204	U	0.00214	U
Endrin ketone	--	--	--	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00172	U	0.00164	U	0.00171	U
Heptachlor	0.042	2.1	0.38	0.000893	U	0.000806	U	0.000853	U	0.00087	U	0.000866	U	0.000858	U	0.000818	U	0.000854	U
Heptachlor epoxide	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00322	U	0.00307	U	0.0032	U
Lindane	0.1	1.3	0.1	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000715	U	0.000682	U	0.000712	U
Methoxychlor	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00322	U	0.00307	U	0.0032	U
Toxaphene	--	--	--	0.0335	U	0.0302	U	0.032	U	0.0326	U	0.0325	U	0.0322	U	0.0307	U	0.032	U
trans-Chlordane	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00215	U	0.00204	U	0.00214	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1221	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1232	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1242	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1254	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1260	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1262	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
Aroclor 1268	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U
PCBs, Total	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0521	U	0.0523	U	0.0519	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09		EP-09A		EP-10		EP-11		EP-12		EP-13		EP-14		EP-15	
LAB SAMPLE ID				L2355164-07		L2365609-03		L2365609-01		L2355164-06		L2355164-04		L2355164-03		L2351329-07		L2355164-08	
DATE				9/20/2023		11/3/2023		11/3/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		6		5.5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
4,4'-DDE	0.0033	8.9	17	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
4,4'-DDT	0.0033	7.9	136	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Aldrin	0.005	0.097	0.19	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Alpha-BHC	0.02	0.48	0.02	0.000698	U	0.000709	U	0.000716	U	0.000709	U	0.000731	U	0.000712	U	0.000693	U	0.000713	U
Beta-BHC	0.036	0.36	0.09	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Chlordane	--	--	--	0.014	U	0.0142	U	0.0143	U	0.0142	U	0.0146	U	0.0142	U	0.0139	U	0.0142	U
cis-Chlordane	0.094	4.2	2.9	0.00209	U	0.00212	U	0.00215	U	0.00213	U	0.00219	U	0.00214	U	0.00208	U	0.00214	U
Delta-BHC	0.04	100	0.25	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Dieldrin	0.005	0.2	0.1	0.00105	U	0.00106	U	0.00107	U	0.00106	U	0.0011	U	0.00107	U	0.00104	U	0.00107	U
Endosulfan I	2.4	24	102	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Endosulfan II	2.4	24	102	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Endosulfan sulfate	2.4	24	1000	0.000698	U	0.000709	U	0.000716	U	0.000709	U	0.000731	U	0.000712	U	0.000693	U	0.000713	U
Endrin	0.014	11	0.06	0.000698	U	0.000709	U	0.000716	U	0.000709	U	0.000731	U	0.000712	U	0.000693	U	0.000713	U
Endrin aldehyde	--	--	--	0.00209	U	0.00212	U	0.00215	U	0.00213	U	0.00219	U	0.00214	U	0.00208	U	0.00214	U
Endrin ketone	--	--	--	0.00167	U	0.0017	U	0.00172	U	0.0017	U	0.00175	U	0.00171	U	0.00166	U	0.00171	U
Heptachlor	0.042	2.1	0.38	0.000837	U	0.00085	U	0.000859	U	0.000851	U	0.000877	U	0.000855	U	0.000832	U	0.000855	U
Heptachlor epoxide	--	--	--	0.00314	U	0.00319	U	0.00322	U	0.00319	U	0.00329	U	0.00321	U	0.00312	U	0.00321	U
Lindane	0.1	1.3	0.1	0.000698	U	0.000709	U	0.000716	U	0.000709	U	0.000731	U	0.000712	U	0.000693	U	0.000713	U
Methoxychlor	--	--	--	0.00314	U	0.00319	U	0.00322	U	0.00319	U	0.00329	U	0.00321	U	0.00312	U	0.00321	U
Toxaphene	--	--	--	0.0314	U	0.0319	U	0.0322	U	0.0319	U	0.0329	U	0.0321	U	0.0312	U	0.0321	U
trans-Chlordane	--	--	--	0.00209	U	0.00212	U	0.00215	U	0.00213	U	0.00219	U	0.00214	U	0.00208	U	0.00214	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1221	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1232	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1242	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1254	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1260	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1262	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
Aroclor 1268	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U
PCBs, Total	0.1	1	3.2	0.0531	U	0.0514	U	0.0546	U	0.0504	U	0.0546	U	0.0527	U	0.0504	U	0.0527	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-15A		EP-16		EP-17		EP-17A		EP-17B		EP-18		EP-18A		EP-19	
LAB SAMPLE ID				L2365609-04		L2351329-04		L2355164-09		L2365609-05		L2367513-01		L2365609-02		L2411582-08		L2351329-03	
DATE				11/3/2023		9/5/2023		9/20/2023		11/3/2023		11/14/2023		11/3/2023		3/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				6		5		5		6		8		5.5		6.5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
4,4'-DDT	0.0033	7.9	136	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000744	U	0.000712	U	0.000728	U	0.000772	U	0.000728	U	0.000705	U	0.000705	U	0.00072	U
Beta-BHC	0.036	0.36	0.09	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Chlordane	--	--	--	0.0149	U	0.0142	U	0.0146	U	0.0154	U	0.0146	U	0.0141	U	0.0141	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00223	U	0.00214	U	0.00218	U	0.00232	U	0.00218	U	0.00212	U	0.00212	U	0.00216	U
Delta-BHC	0.04	100	0.25	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00107	U	0.00109	U	0.00116	U	0.00109	U	0.00106	U	0.00106	U	0.00108	U
Endosulfan I	2.4	24	102	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Endosulfan II	2.4	24	102	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000744	U	0.000712	U	0.000728	U	0.000772	U	0.000728	U	0.000705	U	0.000705	U	0.00072	U
Endrin	0.014	11	0.06	0.000744	U	0.000712	U	0.000728	U	0.000772	U	0.000728	U	0.000705	U	0.000705	U	0.00072	U
Endrin aldehyde	--	--	--	0.00223	U	0.00214	U	0.00218	U	0.00232	U	0.00218	U	0.00212	U	0.00212	U	0.00216	U
Endrin ketone	--	--	--	0.00178	U	0.00171	U	0.00175	U	0.00185	U	0.00175	U	0.00169	U	0.00169	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000893	U	0.000854	U	0.000874	U	0.000927	U	0.000874	U	0.000846	U	0.000846	U	0.000864	U
Heptachlor epoxide	--	--	--	0.00335	U	0.0032	U	0.00328	U	0.00348	U	0.00328	U	0.00317	U	0.00317	U	0.00324	U
Lindane	0.1	1.3	0.1	0.000744	U	0.000712	U	0.000728	U	0.000772	U	0.000728	U	0.000705	U	0.000705	U	0.00072	U
Methoxychlor	--	--	--	0.00335	U	0.0032	U	0.00328	U	0.00348	U	0.00328	U	0.00317	U	0.00317	U	0.00324	U
Toxaphene	--	--	--	0.0335	U	0.032	U	0.0328	U	0.0348	U	0.0328	U	0.0317	U	0.0317	U	0.0324	U
trans-Chlordane	--	--	--	0.00223	U	0.00214	U	0.00218	U	0.00232	U	0.00218	U	0.00212	U	0.00212	U	0.00216	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1221	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1232	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1242	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1254	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1260	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1262	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
Aroclor 1268	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U
PCBs, Total	0.1	1	3.2	0.0545	U	0.051	U	0.0532	U	0.0587	U	0.0534	U	0.0537	U	0.054	U	0.0531	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-21		EP-21A		EP-22		EP-22A		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2351329-02		L2343987-04		L2411582-07		L2343987-03		L2364575-01		L2343987-01		L2343987-02		L2343987-05	
DATE				9/5/2023		7/31/2023		3/4/2024		7/31/2023		10/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		8		8		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDE	0.0033	8.9	17	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDT	0.0033	7.9	136	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Aldrin	0.005	0.097	0.19	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Alpha-BHC	0.02	0.48	0.02	0.000698	U	0.000721	U	0.000703	U	0.00074	U	0.000755	U	0.000834	U	0.000826	U	0.000762	U
Beta-BHC	0.036	0.36	0.09	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Chlordane	--	--	--	0.014	U	0.0144	U	0.0141	U	0.0148	U	0.0151	U	0.0167	U	0.0165	U	0.0152	U
cis-Chlordane	0.094	4.2	2.9	0.0021	U	0.00216	U	0.00211	U	0.00222	U	0.00226	U	0.0025	U	0.00248	U	0.00229	U
Delta-BHC	0.04	100	0.25	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Dieldrin	0.005	0.2	0.1	0.00105	U	0.00108	U	0.00105	U	0.00111	U	0.00113	U	0.00125	U	0.00124	U	0.00114	U
Endosulfan I	2.4	24	102	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Endosulfan II	2.4	24	102	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Endosulfan sulfate	2.4	24	1000	0.000698	U	0.000721	U	0.000703	U	0.00074	U	0.000755	U	0.000834	U	0.000826	U	0.000762	U
Endrin	0.014	11	0.06	0.000698	U	0.000721	U	0.000703	U	0.00074	U	0.000755	U	0.000834	U	0.000826	U	0.000762	U
Endrin aldehyde	--	--	--	0.0021	U	0.00216	U	0.00211	U	0.00222	U	0.00226	U	0.0025	U	0.00248	U	0.00229	U
Endrin ketone	--	--	--	0.00168	U	0.00173	U	0.00169	U	0.00178	U	0.00181	U	0.002	U	0.00198	U	0.00183	U
Heptachlor	0.042	2.1	0.38	0.000838	U	0.000866	U	0.000844	U	0.000888	U	0.000906	U	0.001	U	0.000991	U	0.000915	U
Heptachlor epoxide	--	--	--	0.00314	U	0.00324	U	0.00316	U	0.00333	U	0.0034	U	0.00375	U	0.00372	U	0.00343	U
Lindane	0.1	1.3	0.1	0.000698	U	0.000721	U	0.000703	U	0.00074	U	0.000755	U	0.000834	U	0.000826	U	0.000762	U
Methoxychlor	--	--	--	0.00314	U	0.00324	U	0.00316	U	0.00333	U	0.0034	U	0.00375	U	0.00372	U	0.00343	U
Toxaphene	--	--	--	0.0314	U	0.0324	U	0.0316	U	0.0333	U	0.034	U	0.0375	U	0.0372	U	0.0343	U
trans-Chlordane	--	--	--	0.0021	U	0.00216	U	0.00211	U	0.00222	U	0.00226	U	0.0025	U	0.00248	U	0.00229	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1221	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1232	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1242	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1254	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0212	J	0.0592	U	0.0584	U	0.0525	U
Aroclor 1260	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1262	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1268	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0542	U	0.0592	U	0.0584	U	0.0525	U
PCBs, Total	0.1	1	3.2	0.052	U	0.0561	U	0.0532	U	0.0562	U	0.0212	J	0.0592	U	0.0584	U	0.0525	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-31		EP-32		EP-33	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2362844-01		L2355164-01		L2348172-06	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		10/23/2023		9/20/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		10		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
4,4'-DDE	0.0033	8.9	17	0.00151	J	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
4,4'-DDT	0.0033	7.9	136	0.00285		0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Aldrin	0.005	0.097	0.19	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Alpha-BHC	0.02	0.48	0.02	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000792	U	0.000722	U	0.000745	U
Beta-BHC	0.036	0.36	0.09	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Chlordane	--	--	--	0.0149	U	0.0146	U	0.0146	U	0.0157	U	0.0145	U	0.0158	U	0.0144	U	0.0149	U
cis-Chlordane	0.094	4.2	2.9	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00238	U	0.00216	U	0.00223	U
Delta-BHC	0.04	100	0.25	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00109	U	0.0011	U	0.00118	U	0.00108	U	0.00119	U	0.00108	U	0.00112	U
Endosulfan I	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Endosulfan II	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Endosulfan sulfate	2.4	24	1000	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000792	U	0.000722	U	0.000745	U
Endrin	0.014	11	0.06	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000792	U	0.000722	U	0.000745	U
Endrin aldehyde	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00238	U	0.00216	U	0.00223	U
Endrin ketone	--	--	--	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.0019	U	0.00173	U	0.00179	U
Heptachlor	0.042	2.1	0.38	0.000896	U	0.000876	U	0.000878	U	0.000944	U	0.000868	U	0.00095	U	0.000866	U	0.000894	U
Heptachlor epoxide	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00356	U	0.00325	U	0.00335	U
Lindane	0.1	1.3	0.1	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000792	U	0.000722	U	0.000745	U
Methoxychlor	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00356	U	0.00325	U	0.00335	U
Toxaphene	--	--	--	0.0336	U	0.0328	U	0.0329	U	0.0354	U	0.0326	U	0.0356	U	0.0325	U	0.0335	U
trans-Chlordane	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00238	U	0.00216	U	0.00223	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1221	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1232	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1242	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1254	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1260	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1262	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
Aroclor 1268	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U
PCBs, Total	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0582	U	0.0516	U	0.0524	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-34		EP-35		EP-36		EP-37		EP-38		EP-39		EP-40		EP-41	
LAB SAMPLE ID				L2348172-07		L2348172-08		L2355164-02		L2355164-10		L2402095-01		L2351329-01		L2411582-01		L2411582-02	
DATE				8/18/2023		8/18/2023		9/20/2023		9/20/2023		1/12/2024		9/5/2023		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
4,4'-DDE	0.0033	8.9	17	0.0012	J	0.000635	JP	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00426		0.000972	J
4,4'-DDT	0.0033	7.9	136	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	**0.0143**		0.00211	
Aldrin	0.005	0.097	0.19	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Alpha-BHC	0.02	0.48	0.02	0.000741	U	0.000723	U	0.000772	U	0.000785	U	0.000712	U	0.00068	U	0.000738	U	0.00075	U
Beta-BHC	0.036	0.36	0.09	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Chlordane	--	--	--	0.0148	U	0.0144	U	0.0154	U	0.0157	U	0.0142	U	0.0136	U	0.0148	U	0.015	U
cis-Chlordane	0.094	4.2	2.9	0.00222	U	0.00217	U	0.00232	U	0.00236	U	0.00214	U	0.00204	U	0.00221	U	0.00225	U
Delta-BHC	0.04	100	0.25	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Dieldrin	0.005	0.2	0.1	0.00111	U	0.00108	U	0.00116	U	0.00118	U	0.00107	U	0.00102	U	0.00111	U	0.00112	U
Endosulfan I	2.4	24	102	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Endosulfan II	2.4	24	102	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Endosulfan sulfate	2.4	24	1000	0.000741	U	0.000723	U	0.000772	U	0.000785	U	0.000712	U	0.00068	U	0.000738	U	0.00075	U
Endrin	0.014	11	0.06	0.000741	U	0.000723	U	0.000772	U	0.000785	U	0.000712	U	0.00068	U	0.000738	U	0.00075	U
Endrin aldehyde	--	--	--	0.00222	U	0.00217	U	0.00232	U	0.00236	U	0.00214	U	0.00204	U	0.00221	U	0.00225	U
Endrin ketone	--	--	--	0.00178	U	0.00173	U	0.00185	U	0.00188	U	0.00171	U	0.00163	U	0.00177	U	0.0018	U
Heptachlor	0.042	2.1	0.38	0.000889	U	0.000867	U	0.000927	U	0.000942	U	0.000854	U	0.000816	U	0.000886	U	0.0009	U
Heptachlor epoxide	--	--	--	0.00333	U	0.00325	U	0.00348	U	0.00353	U	0.0032	U	0.00306	U	0.00332	U	0.00338	U
Lindane	0.1	1.3	0.1	0.000741	U	0.000723	U	0.000772	U	0.000785	U	0.000712	U	0.00068	U	0.000738	U	0.00075	U
Methoxychlor	--	--	--	0.00333	U	0.00325	U	0.00348	U	0.00353	U	0.0032	U	0.00306	U	0.00332	U	0.00338	U
Toxaphene	--	--	--	0.0333	U	0.0325	U	0.0348	U	0.0353	U	0.032	U	0.0306	U	0.0332	U	0.0338	U
trans-Chlordane	--	--	--	0.00222	U	0.00217	U	0.00232	U	0.00236	U	0.00214	U	0.00204	U	0.00221	U	0.00225	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1221	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1232	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1242	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1254	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1260	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1262	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
Aroclor 1268	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U
PCBs, Total	0.1	1	3.2	0.0531	U	0.0502	U	0.0548	U	0.0553	U	0.0524	U	0.05	U	0.0565	U	0.0533	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-42		EP-43		EP-44		EP-45		EP-46		EP-47		EP-48	
LAB SAMPLE ID				L2418995-01		L2422539-07		L2430995-06		L2422539-02		L2422539-01		L2431297-01		L2430995-07		L2422539-03	
DATE				4/8/2024		4/24/2024		6/4/2024		4/24/2024		4/24/2024		6/5/2024		6/4/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5.5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
4,4'-DDE	0.0033	8.9	17	0.00116	J	0.00171	U	0.00197	U	0.00154	J	0.00166	J	0.00178		0.00171	U	0.000989	J
4,4'-DDT	0.0033	7.9	136	0.00328		0.00171	U	0.00197	U	0.00258		**0.00338**		0.00176	U	0.00171	U	0.00168	U
Aldrin	0.005	0.097	0.19	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Alpha-BHC	0.02	0.48	0.02	0.00078	U	0.000714	U	0.000822	U	0.000721	U	0.000732	U	0.000733	U	0.000714	U	0.000699	U
Beta-BHC	0.036	0.36	0.09	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Chlordane	--	--	--	0.0156	U	0.0143	U	0.0164	U	0.0144	U	0.0146	U	0.0146	U	0.0143	U	0.014	U
cis-Chlordane	0.094	4.2	2.9	0.00234	U	0.00214	U	0.00246	U	0.00216	U	0.0022	U	0.0022	U	0.00214	U	0.0021	U
Delta-BHC	0.04	100	0.25	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Dieldrin	0.005	0.2	0.1	0.00117	U	0.00107	U	0.00123	U	0.00108	U	0.0011	U	0.0011	U	0.00107	U	0.00105	U
Endosulfan I	2.4	24	102	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Endosulfan II	2.4	24	102	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Endosulfan sulfate	2.4	24	1000	0.00078	U	0.000714	U	0.000822	U	0.000721	U	0.000732	U	0.000733	U	0.000714	U	0.000699	U
Endrin	0.014	11	0.06	0.00078	U	0.000714	U	0.000822	U	0.000721	U	0.000732	U	0.000733	U	0.000714	U	0.000699	U
Endrin aldehyde	--	--	--	0.00234	U	0.00214	U	0.00246	U	0.00216	U	0.0022	U	0.0022	U	0.00214	U	0.0021	U
Endrin ketone	--	--	--	0.00187	U	0.00171	U	0.00197	U	0.00173	U	0.00176	U	0.00176	U	0.00171	U	0.00168	U
Heptachlor	0.042	2.1	0.38	0.000936	U	0.000857	U	0.000986	U	0.000865	U	0.000879	U	0.000879	U	0.000857	U	0.000838	U
Heptachlor epoxide	--	--	--	0.00351	U	0.00322	U	0.0037	U	0.00324	U	0.0033	U	0.0033	U	0.00321	U	0.00314	U
Lindane	0.1	1.3	0.1	0.00078	U	0.000714	U	0.000822	U	0.000721	U	0.000732	U	0.000733	U	0.000714	U	0.000699	U
Methoxychlor	--	--	--	0.00351	U	0.00322	U	0.0037	U	0.00324	U	0.0033	U	0.0033	U	0.00321	U	0.00314	U
Toxaphene	--	--	--	0.0351	U	0.0322	U	0.037	U	0.0324	U	0.033	U	0.033	U	0.0321	U	0.0314	U
trans-Chlordane	--	--	--	0.00234	U	0.00214	U	0.00246	U	0.00216	U	0.0022	U	0.0022	U	0.00214	U	0.0021	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1221	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1232	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1242	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1254	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1260	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1262	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
Aroclor 1268	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0529	U	0.0539	U	0.0545	U	0.0527	U
PCBs, Total	0.1	1	3.2	0.0544	U	0.0513	U	0.0598	U	0.0529	U	0.0104	J	0.0539	U	0.0545	U	0.0527	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-49		EP-50		EP-51		EP-52		EP-53		EP-54		EP-55		EP-56	
LAB SAMPLE ID				L2422539-04		L2431297-05		L2431297-03		L2422539-05		L2422539-06		L2431297-04		L2431297-02		L2439875-02	
DATE				4/24/2024		6/5/2024		6/5/2024		4/24/2024		4/24/2024		6/5/2024		6/5/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
4,4'-DDE	0.0033	8.9	17	0.000768	J	0.0019		0.00173	U	0.00192		**0.00511**		0.00173	U	0.00118	J	0.00292	
4,4'-DDT	0.0033	7.9	136	0.00174	U	0.0016	J	0.00173	U	0.00157	J	**0.0038**		0.00173	U	0.00234		0.00236	
Aldrin	0.005	0.097	0.19	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Alpha-BHC	0.02	0.48	0.02	0.000727	U	0.0007	U	0.000721	U	0.000709	U	0.000707	U	0.00072	U	0.000732	U	0.000735	U
Beta-BHC	0.036	0.36	0.09	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Chlordane	--	--	--	0.0145	U	0.014	U	0.0144	U	0.0142	U	0.0141	U	0.0144	U	0.0146	U	0.0147	U
cis-Chlordane	0.094	4.2	2.9	0.00218	U	0.0021	U	0.00216	U	0.00213	U	0.00212	U	0.00216	U	0.0022	U	0.0022	U
Delta-BHC	0.04	100	0.25	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Dieldrin	0.005	0.2	0.1	0.00109	U	0.00105	U	0.00108	U	0.00106	U	0.00106	U	0.00108	U	0.0011	U	0.0011	U
Endosulfan I	2.4	24	102	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Endosulfan II	2.4	24	102	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Endosulfan sulfate	2.4	24	1000	0.000727	U	0.0007	U	0.000721	U	0.000709	U	0.000707	U	0.00072	U	0.000732	U	0.000735	U
Endrin	0.014	11	0.06	0.000727	U	0.0007	U	0.000721	U	0.000709	U	0.000707	U	0.00072	U	0.000732	U	0.000735	U
Endrin aldehyde	--	--	--	0.00218	U	0.0021	U	0.00216	U	0.00213	U	0.00212	U	0.00216	U	0.0022	U	0.0022	U
Endrin ketone	--	--	--	0.00174	U	0.00168	U	0.00173	U	0.0017	U	0.0017	U	0.00173	U	0.00176	U	0.00176	U
Heptachlor	0.042	2.1	0.38	0.000873	U	0.00084	U	0.000865	U	0.000851	U	0.000848	U	0.000865	U	0.000879	U	0.000882	U
Heptachlor epoxide	--	--	--	0.00327	U	0.00315	U	0.00324	U	0.00319	U	0.00318	U	0.00324	U	0.00329	U	0.00331	U
Lindane	0.1	1.3	0.1	0.000727	U	0.0007	U	0.000721	U	0.000709	U	0.000707	U	0.00072	U	0.000732	U	0.000735	U
Methoxychlor	--	--	--	0.00327	U	0.00315	U	0.00324	U	0.00319	U	0.00318	U	0.00324	U	0.00329	U	0.00331	U
Toxaphene	--	--	--	0.0327	U	0.0315	U	0.0324	U	0.0319	U	0.0318	U	0.0324	U	0.0329	U	0.0331	U
trans-Chlordane	--	--	--	0.00218	U	0.0021	U	0.00216	U	0.00213	U	0.00212	U	0.00216	U	0.0022	U	0.0022	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1221	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1232	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1242	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1254	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1260	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1262	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
Aroclor 1268	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U
PCBs, Total	0.1	1	3.2	0.0519	U	0.0537	U	0.0539	U	0.053	U	0.0537	U	0.0518	U	0.0527	U	0.0532	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-57		EP-58		EP-59		EP-60		EP-60A		EP-61		EP-62		EP-63	
LAB SAMPLE ID				L2439875-01		L2411582-03		L2418995-02		L2411582-06		L2418995-05		L2418995-04		L2411582-04		L2411582-05	
DATE				7/16/2024		3/4/2024		4/8/2024		3/4/2024		4/8/2024		4/8/2024		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5.5		5		6		5.5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
4,4'-DDE	0.0033	8.9	17	0.00119	J	0.00255		0.000437	J	**0.00346**		0.00173	U	0.00262		0.000988	J	0.00166	U
4,4'-DDT	0.0033	7.9	136	0.0015	J	**0.00643**	**IP**	0.00172	U	**0.00951**		0.00173	U	**0.00542**		0.00315		0.00166	U
Aldrin	0.005	0.097	0.19	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Alpha-BHC	0.02	0.48	0.02	0.000718	U	0.000737	U	0.000717	U	0.000744	U	0.000723	U	0.000711	U	0.000732	U	0.00069	U
Beta-BHC	0.036	0.36	0.09	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Chlordane	--	--	--	0.0144	U	0.0147	U	0.0143	U	0.0149	U	0.0144	U	0.0142	U	0.0146	U	0.0138	U
cis-Chlordane	0.094	4.2	2.9	0.00215	U	0.00221	U	0.00215	U	0.00223	U	0.00217	U	0.00213	U	0.0022	U	0.00207	U
Delta-BHC	0.04	100	0.25	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Dieldrin	0.005	0.2	0.1	0.00108	U	0.0011	U	0.00108	U	0.00112	U	0.00108	U	0.00107	U	0.0011	U	0.00104	U
Endosulfan I	2.4	24	102	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Endosulfan II	2.4	24	102	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Endosulfan sulfate	2.4	24	1000	0.000718	U	0.000737	U	0.000717	U	0.000744	U	0.000723	U	0.000711	U	0.000732	U	0.00069	U
Endrin	0.014	11	0.06	0.000718	U	0.000737	U	0.000717	U	0.000744	U	0.000723	U	0.000711	U	0.000732	U	0.00069	U
Endrin aldehyde	--	--	--	0.00215	U	0.00221	U	0.00215	U	0.00223	U	0.00217	U	0.00213	U	0.0022	U	0.00207	U
Endrin ketone	--	--	--	0.00172	U	0.00177	U	0.00172	U	0.00178	U	0.00173	U	0.00171	U	0.00176	U	0.00166	U
Heptachlor	0.042	2.1	0.38	0.000862	U	0.000885	U	0.00086	U	0.000893	U	0.000867	U	0.000853	U	0.000879	U	0.000828	U
Heptachlor epoxide	--	--	--	0.00323	U	0.00332	U	0.00322	U	0.00335	U	0.00325	U	0.0032	U	0.00329	U	0.00311	U
Lindane	0.1	1.3	0.1	0.000718	U	0.000737	U	0.000717	U	0.000744	U	0.000723	U	0.000711	U	0.000732	U	0.00069	U
Methoxychlor	--	--	--	0.00323	U	0.00332	U	0.00322	U	0.00335	U	0.00325	U	0.0032	U	0.00329	U	0.00311	U
Toxaphene	--	--	--	0.0323	U	0.0332	U	0.0322	U	0.0335	U	0.0325	U	0.032	U	0.0329	U	0.0311	U
trans-Chlordane	--	--	--	0.00215	U	0.00221	U	0.00215	U	0.00223	U	0.00217	U	0.00213	U	0.0022	U	0.00207	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1221	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1232	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1242	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1254	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1260	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1262	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
Aroclor 1268	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U
PCBs, Total	0.1	1	3.2	0.055	U	0.055	U	0.0533	U	0.0528	U	0.0549	U	0.0549	U	0.055	U	0.0538	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 6 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restircted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-64		EP-65		EP-66		EP-67		EP-68		EP-69		FD-2	
LAB SAMPLE ID				L2418995-03		L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03		L2351329-08	
DATE				4/8/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		9/5/2023	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		5.5		6		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																	
4,4'-DDD	0.0033	13	14	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
4,4'-DDE	0.0033	8.9	17	0.00293		**0.00394**		0.00222		0.0013	J	**0.00339**		0.00187	U	0.0017	U
4,4'-DDT	0.0033	7.9	136	**0.00759**		**0.0083**		0.00281		0.00201		0.00272		0.00187	U	0.0017	U
Aldrin	0.005	0.097	0.19	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Alpha-BHC	0.02	0.48	0.02	0.000752	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U	0.00071	U
Beta-BHC	0.036	0.36	0.09	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Chlordane	--	--	--	0.015	U	0.0154	U	0.0142	U	0.0139	U	0.0143	U	0.0156	U	0.0142	U
cis-Chlordane	0.094	4.2	2.9	0.00225	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U	0.00213	U
Delta-BHC	0.04	100	0.25	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Dieldrin	0.005	0.2	0.1	0.00113	U	0.00115	U	0.00107	U	0.00104	U	0.00107	U	0.00117	U	0.00106	U
Endosulfan I	2.4	24	102	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Endosulfan II	2.4	24	102	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Endosulfan sulfate	2.4	24	1000	0.000752	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U	0.00071	U
Endrin	0.014	11	0.06	0.000752	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U	0.00071	U
Endrin aldehyde	--	--	--	0.00225	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U	0.00213	U
Endrin ketone	--	--	--	0.0018	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U	0.0017	U
Heptachlor	0.042	2.1	0.38	0.000902	U	0.000921	U	0.000855	U	0.000833	U	0.000858	U	0.000935	U	0.000852	U
Heptachlor epoxide	--	--	--	0.00338	U	0.00345	U	0.0032	U	0.00312	U	0.00322	U	0.00351	U	0.00319	U
Lindane	0.1	1.3	0.1	0.000752	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U	0.00071	U
Methoxychlor	--	--	--	0.00338	U	0.00345	U	0.0032	U	0.00312	U	0.00322	U	0.00351	U	0.00319	U
Toxaphene	--	--	--	0.0338	U	0.0345	U	0.032	U	0.0312	U	0.0322	U	0.0351	U	0.0319	U
trans-Chlordane	--	--	--	0.00225	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U	0.00213	U
Polychlorinated Biphenyls by EPA Method 8082A																	
Aroclor 1016	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1221	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1232	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1242	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1254	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0084	J	0.0571	U	0.0544	U
Aroclor 1260	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1262	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
Aroclor 1268	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U	0.0544	U
PCBs, Total	0.1	1	3.2	0.0548	U	0.0556	U	0.0504	U	0.0529	U	0.0084	J	0.0571	U	0.0544	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 7 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-01		EP-17		EP-21		EP-34		EP-37	
LAB SAMPLE ID				7/28/2023		9/20/2023		L2343987-04		8/18/2023		9/20/2023	
DATE				L2343822-03		L2355164-09		7/31/2023		L2348172-07		L2355164-10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
PFAS by EPA Method 537.1													
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000789	U	0.000802	U	0.000746	U	0.000781	U	0.000798	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000789	U	0.000802	U	0.000298	J	0.000781	U	0.000798	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000789	U	0.000802	U	0.000746	U	0.000781	U	0.000798	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.000079	J	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000323		0.000153	J	0.000186	U	0.000148	J	0.000199	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000173	J	0.000063	J	0.000186	U	0.000101	J	0.000199	U
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000394	U	0.000401	U	0.000373	U	0.00039	U	0.000399	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000197	U	0.0002	U	0.000186	U	0.000195	U	0.000199	U
PFOA/PFOS, Total	--	--	--	0.000496	J	0.000216	J	0.000186	U	0.000249	J	0.000199	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 7 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-39		EP-54		EP-56		EP-59		EP-61	
LAB SAMPLE ID				9/5/2023		6/5/2023		L2439875-02		L2418995-02		L2418995-04	
DATE				L2351329-01		L2431297-04		7/16/2024		4/8/2024		4/8/2024	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
PFAS by EPA Method 537.1													
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.0008	U	0.000796	U	0.000768	U	0.0008	U	0.000799	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.0008	U	0.000288	J	0.000578	J	0.0008	U	0.000799	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.0002	U	0.00005	J	0.000192	U	0.0002	U	0.0002	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.0008	U	0.000796	U	0.000768	U	0.0008	U	0.000799	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.000068	J	0.0002	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.0002	U	0.000058	J	0.000192	U	0.0002	U	0.0002	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.0002	U	0.000091	J	0.000192	U	0.0002	U	0.0002	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.0002	U	0.000074	J	0.000192	U	0.0002	U	0.0002	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.0002	U	0.000077	J	0.000065	J	0.0002	U	0.0002	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.0002	U	0.000107	J	0.000192	U	0.0002	U	0.0002	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000132	J	0.000124	J	0.00017	J	0.000138	J	0.000177	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000125	J	0.000293		0.000061	J	0.000106	J	0.000096	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.0004	U	0.000142	J	0.000071	J	0.0004	U	0.0004	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.0002	U	0.000199	U	0.000192	U	0.0002	U	0.0002	U
PFOA/PFOS, Total	--	--	--	0.000257	J	0.000417	J	0.000231	J	0.000244	J	0.000273	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the n (EDL).

Table 8 - Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

SAMPLE LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-01		MW-02						MW-14									
GROUNDWATER MONITORING PERIOD		Baseline		Baseline		Q1		Q3		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		10/19/2023		7/31/2024		2/26/2025		10/19/2023		7/31/2024		11/25/2024		2/27/2025		5/22/2025	
LAB SAMPLE ID		L2362385-01		L2362385-02		L2443211-01		L2510540-01		L2362385-04		L2443213-01		L2469589-01		L2511034-01		L2532220-01	
SAMPLE TYPE		Water		Water		Water		WATER		Water		Water		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) by EPA Method 8260C (ug/L)																			
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	3.8	U	6	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	**74**		**30**		**41**		**80**		**16**	
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**32**		**130**		**690**		**500**		**13**	
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	5	U	8	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	0.84	J	2.5	U	6.2	U	10	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
1,2-Dichloroethene, Total	--	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U	2.5	U	4	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	0.97	J	4.1		6.2	U	10	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,3-Dichloropropene, Total	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
1,4-Dioxane	0.35	250	U	250	U	250	U	250	U	250	U	250	U	620	U	1000	U	250	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
4-Methyl-2-pentanone	--	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	2.1	J	5.1		6.2	J	20	U	2.5	J
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U	2	U	5	U	8	U	2	U
Bromomethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Chloroform	7	**8**		1.2	J	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2	J
Chloromethane	--	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Ethyl ether	--	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**10**		**22**		**98**		**85**		3.5	
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**31**		**20**		**60**		**54**		**14**	
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**42**		**9.1**		**8.5**		**12**		4	
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**9.5**		**28**		**99**		**110**		**26**	
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	**67**		**17**		**32**		**16**		2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**30**		**120**		**13**		2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2	U	2.5	U	**15**		11		6.2	U	10	U	2.5	U
p-Diethylbenzene	--	2.5	U	2.5	U	2	U	2	U	2.5	U	26		17		26		22	
p-Ethyltoluene	--	2	U	2	U	2.5	U	2	U	18		2.8		28		8	U	2	U
p-Isopropyltoluene	5	2	U	2	U	2.5	U	2.5	U	16		**28**		2.3	J	3.3	J	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	0.93	J	2.5	U	**34**		10	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	**10**		**6.1**		**9.9**		**14**		**5.5**	
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	1.2	J	0.76	J	6.2	U	10	U	0.9	J
Tetrachloroethene	5	0.5	U	2		1.8		0.66		0.5	U	0.36	J	1.2	U	2	U	0.5	U
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.2	U	2	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Trichloroethene	5	0.5	U	0.53		0.35	J	0.44	J	0.5	U	0.5	U	1.2	U	2	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	6.2	U	10	U	2.5	U
Vinyl acetate	--	5	U	5	U	5	U	5	U	5	U	5	U	12	U	20	U	5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	2.5	U	4	U	1	U
Xylenes, Total	--	2.5	U	2.5	U	2.5	U	2.5	U	15		58		150		13		2.5	U
TOTAL BTEX		U		U		U		U		25		80		252		98		3.5	
TOTAL VOCs		8		2.53		2.15		1.1		339.5		329.4		1198.6		913.3		109.4	

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene

TOTAL VOCs Total concentration of volatile organic compounds

Table 8 - Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

SAMPLE LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-15										MW-16									
GROUNDWATER MONITORING PERIOD		Baseline		Q1		Q2		Q3		Q4		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025	
LAB SAMPLE ID		L2362385-05		L2443498-02		L2469589-02		L2510540-02		L2532220-02		L2362385-06		L2443498-03		L2469589-03		L2510540-03		L2532220-03	
SAMPLE TYPE		Water		Water		WATER		WATER		WATER		Water		Water		WATER		WATER		WATER	
		Results		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) by EPA Method 8260C (ug/L)																					
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	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	5	**16**		2.5	U	5	U	2.5	U	2.5	U	1.6	J	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	1	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	1	1.5	U	1.5	U	3	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	5	**16**		1	J	5	U	1.7	J	2.3	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.76		0.5	U	1	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	5	2.5	U	2.5	U	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	5	2.5	U	2.5	U	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	0.04	2.5	U	2.5	U	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	5	2	U	3		**29**		1.2	J	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	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	5	2.5	U	2.5	U	**16**		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	0.04	2.5	U	2.5	U	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	0.0006	2	U	2	U	4	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	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	0.6	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	--	61		3.6		4.3	J	5.4		3.9		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	3.1	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	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	5	2.5	U	2.5	U	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-Dichloropropene, Total	--	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	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-Dioxane	0.35	250	U	250	U	500	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U
2,2-Dichloropropane	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	--	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	6.3	J	1.7	J	3.4	J	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	4	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	U	2.5	U	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	60	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	3		2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	--	2.5	U	2.5	U	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	5	**61**		3.6		4.3	J	**5.4**		3.9		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl ether	--	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	**160**		**260**		**33**		**10**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	**56**		**76**		**51**		**6.8**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	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	5	2.5	U	3.8		**8**		3.6		0.74	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	**75**		**110**		**38**		**5.5**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	**180**		8.9		4.1		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	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	5	2.5	U	2.5	U	**18**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	8.7		5	U	2.5	U	2.5	U	2.5	U	2	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	--	2.5	U	2	U	15		7.9		1.8	J	2.5	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	--	0.87	J	2.5	U	48		2	U	2	U	2	U	2.5	U	2	U	2	U	2	U
p-Isopropyltoluene	5	2	U	2.5	U	2.3	J	2.5	U	2.5	U	2	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	**37**		0.84	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	**7.5**		**10**		**8.6**		2.6		2.5	U	2.5	U	2.8		0.81	J	1.8	J
Styrene	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	1.5	J	1.7	J	1.5	J	2.5	U	2.5	U	2.5	U	0.7	J	2.5	U	0.74	J
Tetrachloroethene	5	0.41	J	0.76		1	U	0.19	J	0.23	J	2.1		0.9		0.66		0.52		0.36	J
Toluene	5	2.5	U	1.2	J	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	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	0.4	0.5	U	0.5	U	1	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	5	2.5	U	2.5	U	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	**52**		3.9		3.3		4.2		3.6		0.45	J	0.3	J	0.25	J	0.23	J	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	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	--	5	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	1	U	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	--	2.5	U	2.5	U	55		0.84	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
TOTAL BTEX		U		161.2		315		33.84		10		U		U		U		U		U	
TOTAL VOCs		209.76		329.56		832.3		173.13		48.87		2.1		1.2		4.41		1.56		2.9	

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene

TOTAL VOCs Total concentration of volatile organic compounds

Table 8 - Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

SAMPLE LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-17								MW-18						MW-19	
GROUNDWATER MONITORING PERIOD		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q1	
SAMPLING DATE		7/31/2024		11/25/2024		2/26/2025		5/22/2025		8/1/2024		11/25/2024		2/26/2025		9/24/2024	
LAB SAMPLE ID		L2443211-02		L2469589-04		L2510540-04		L2532220-04		L2443498-01		L2469589-05		L2510540-05		L2455026-01	
SAMPLE TYPE		Water		WATER		WATER		WATER		Water		WATER		WATER		Water	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) by EPA Method 8260C (ug/L)																	
1,1,1,2-Tetrachloroethane	5	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	5	**6.1**		1.8	J	**5.4**		2.5		0.97	J	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	4.2		1.4	J	**5.1**		2.3	J	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.25	J	0.5	U	0.25	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	0.74	J	2	U	2	U	2	U	**7.6**		**84**		**35**		2	U
1,2,4-Trichlorobenzene	5	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	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**150**		2.3	J	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	--	11		4.4		10		5.9		1.4	J	0.81	J	2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	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	3	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	5	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-Dichloropropene, Total	--	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	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-Dioxane	0.35	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U
2,2-Dichloropropane	5	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-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	2.1	J	3.4	J	5	U	5	U	1.9	J	2.7	J	5	U	5	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	4.3	J	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	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	5	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	50	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	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	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	60	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	--	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	5	**11**		4.4		**10**		**5.9**		1.4	J	0.81	J	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	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	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl ether	--	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	5	**16**		2.5	U	2.5	U	2.5	U	1.7	J	**49**		**62**		2.5	U
Hexachlorobutadiene	0.5	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	5	**24**		**11**		2.5	U	2.5	U	1.2	J	**35**		**37**		2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	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	5	0.96	J	2.5	U	2.5	U	2.5	U	3.2		**16**		**9.6**		2.5	U
n-Propylbenzene	5	**12**		2.5	U	2.5	U	2.5	U	**5.6**		**91**		**65**		2.5	U
Naphthalene	10	**27**		2.5	U	2.5	U	2.5	U	2.5	U	**110**		2.5	U	2.5	U
o-Chlorotoluene	5	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	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**7.1**		2.5	U	2.5	U
p-Chlorotoluene	5	2.7		2.5	U	2.5	U	2.5	U	4		2.5	U	2.5	U	2	U
p-Diethylbenzene	--	2	U	2	U	2	U	2	U	2	U	21		14		2	U
p-Ethyltoluene	--	2.5	U	2	U	2	U	2	U	2.5	U	65		2	U	2.5	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	4.6		2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**29**		2.5	U	2.5	U
sec-Butylbenzene	5	4.8		2.8		2.5	U	2.5	U	2.1	J	**10**		**5.9**		2.5	U
Styrene	5	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-Butylbenzene	5	0.96	J	2.5	U	2.5	U	2.5	U	2.5	U	1.3	J	1.1	J	2.5	U
Tetrachloroethene	5	1.2		0.68		0.86		0.43	J	1.1		0.61		0.29	J	0.57	
Toluene	5	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-1,2-Dichloroethene	5	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	0.4	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	5	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	5	**20**		**11**		**27**		**16**		2.1		2.2		1.8		0.32	J
Trichlorofluoromethane	5	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	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	--	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	36		2.5	U	2.5	U
TOTAL BTEX		16		U		U		U		1.7		85.1		62		U	
TOTAL VOCs		145.01		40.88		58.61		33.03		34.27		680.13		233.99		0.89	

Table Notes:

NYSDEC TOGS 1.1.1 New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene

TOTAL VOCs Total concentration of volatile organic compounds

Table 9 - Semi-Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No, C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-01		MW-02						MW-14									
GROUNDWATER MONITORING PERIOD		Baseline		Baseline		Q1		Q3		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		10/19/2023		7/31/2024		2/26/2025		10/19/2023		7/31/2024		11/25/2024		2/27/2025		5/22/2025	
LAB SAMPLE ID		L2362385-01		L2362385-02		L2443211-01		L2510540-01		L2362385-04		L2443213-01		L2469589-01		L2511034-01		L2532220-01	
SAMPLE TYPE		Water		Water		Water		WATER		Water		Water		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS by EPA Method 8270C (ug/L)																			
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	0.56	J	2	U	2	U	0.4	J	2	U
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	--	5	U	5	U	5	U	5	U	0.98	J	5	U	5	U	5	U	5	U
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	--	6.5	J	6.2	J	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Benzyl Alcohol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	--	2	U	2	U	2	U	2	U	1.9	J	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	2	U	2	U	5	U	5	U	1.6	J	5	U	5	U	5	U	5	U
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	--	5	U	5	U	2	U	2	U	5	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	--	2	U	2	U	5	U	5	U	2	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	0.4	5	U	5	U	2	U	2	U	5	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.4**	**J**	5	U
Semivolatile Organics by GC/MS-SIM (ug/L)																			
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.67		0.1	U	0.1	U	0.1	U	0.03	J
Acenaphthene	20	0.1	U	0.1	U	0.06	J	0.1	U	2.2		0.1	U	0.09	J	0.19		0.05	J
Acenaphthylene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.08	J	0.1	U	0.1	U	0.1	U	0.1	U
Anthracene	50	0.1	U	0.1	U	0.03	J	0.1	U	0.1	U	0.1	U	0.1	U	0.06	J	0.03	J
Benzo(a)anthracene	0.002	**0.02**	**J**	0.1	U	**0.04**	**J**	0.1	U	**0.07**	**J**	**0.03**	**J**	0.1	U	**0.06**	**J**	**0.07**	**J**
Benzo(a)pyrene	0	0.1	U	0.1	U	**0.04**	**J**	0.1	U	**0.02**	**J**	**0.03**	**J**	0.1	U	**0.05**	**J**	**0.08**	**J**
Benzo(b)fluoranthene	0.002	0.1	U	0.1	U	**0.05**	**J**	0.1	U	**0.03**	**J**	**0.04**	**J**	0.1	U	**0.06**	**J**	**0.09**	**J**
Benzo(ghi)perylene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.07	J	0.05	J
Benzo(k)fluoranthene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	**0.01**	**J**	0.1	U	0.1	U	**0.04**	**J**	**0.04**	**J**
Chrysene	0.002	0.1	U	0.1	U	**0.03**	**J**	0.1	U	**0.08**	**J**	0.1	U	0.1	U	**0.05**	**J**	**0.06**	**J**
Dibenzo(a,h)anthracene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U
Fluoranthene	50	0.1	U	0.1	U	0.09	J	0.1	U	0.92		0.05	J	0.15		0.26		0.17	
Fluorene	50	0.1	U	0.1	U	0.04	J	0.1	U	1.2		0.1	U	0.06	J	0.14		0.04	J
Hexachlorobenzene	0.04	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.02	J	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	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	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.07**	**J**	**0.05**	**J**
Naphthalene	10	0.1	U	0.1	U	0.1	U	0.1	U	**19**		0.1	U	3.4		**14**		0.46	
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.07	J
Phenanthrene	50	0.1	U	0.1	U	0.11		0.1	U	2.5		0.1	U	0.1	U	0.11		0.09	J
Pyrene	50	0.1	U	0.1	U	0.1	J	0.1	U	0.67		0.13		0.16		0.24		0.17	
TOTAL SVOCs		U		U		0.59		U		27.16		0.3		3.86		16.85		1.55	

Table Notes:

NYSDEC TOGS 1.1.1 New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene

TOTAL VOCs Total concentration of volatile organic compounds

Table 9 - Semi-Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No, C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-15										MW-16									
GROUNDWATER MONITORING PERIOD		Baseline		Q1		Q2		Q3		Q4		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025	
LAB SAMPLE ID		L2362385-05		L2443498-02		L2469589-02		L2510540-02		L2532220-02		L2362385-06		L2443498-03		L2469589-03		L2510540-03		L2532220-03	
SAMPLE TYPE		Water		Water		WATER		WATER		WATER		Water		Water		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS by EPA Method 8270C (ug/L)																					
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	--	5	U	5	U	5	U	3.5	J	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	--	6.3	J	50	U	50	U	50	U	50	U	6.1	J	50	U	50	U	50	U	50	U
Benzyl Alcohol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	3	U	3	U	3	U	1.9	J	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	2	U	5	U	5	U	5	U	5	U	2	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	--	5	U	2	U	2	U	2	U	2	U	5	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	--	2	U	5	U	5	U	5	U	5	U	2	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	0.4	5	U	2	U	2	U	2	U	2	U	5	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	5	U	**1.1**	**J**	5	U	5	U	5	U	5	U	**1.7**	**J**	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM (ug/L)																					
2-Chloronaphthalene	10	0.2	U	0.2	U	0.4	U	0.2	U	0.2	U	0.05	J	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	--	0.1	U	0.09	J	0.2		0.06	J	0.1	U	0.03	J	0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthene	20	0.1	U	0.06	J	0.1	J	0.06	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthylene	--	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Anthracene	50	0.02	J	0.02	J	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(a)anthracene	0.002	**0.02**	**J**	0.1	U	0.2	U	0.1	U	0.1	U	**0.02**	**J**	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	0	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	--	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chrysene	0.002	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Dibenzo(a,h)anthracene	--	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Fluoranthene	50	0.1	U	0.03	J	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Fluorene	50	0.02	J	0.05	J	0.07	J	0.05	J	0.03	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	0.04	0.8	U	0.03	J	1.6	U	0.02	J	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	0.5	U	0.03	J	1	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	0.8	U	1.6	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	0.002	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Naphthalene	10	0.1	U	0.43	B	**80**		6.8		1.3		0.1	U	0.1	U	0.32		0.03	J	0.09	J
Pentachlorophenol	1	0.8	U	0.09	J	1.6	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Phenanthrene	50	0.1	U	0.05	J	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Pyrene	50	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
TOTAL SVOCs		U		1.98		80.37		12.37		1.33		U		1.7		0.32		0.03		0.09	

Table Notes:

NYSDEC TOGS 1.1.1 New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene

TOTAL VOCs Total concentration of volatile organic compounds

Table 9 - Semi-Volatile Organic Compounds in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No, C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-17								MW-18						MW-19	
GROUNDWATER MONITORING PERIOD		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q1	
SAMPLING DATE		7/31/2024		11/25/2024		2/26/2025		5/22/2025		8/1/2024		11/25/2024		2/26/2025		9/24/2024	
LAB SAMPLE ID		L2443211-02		L2469589-04		L2510540-04		L2532220-04		L2443498-01		L2469589-05		L2510540-05		L2455026-01	
SAMPLE TYPE		Water		WATER		WATER		WATER		Water		WATER		WATER		Water	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS by EPA Method 8270C (ug/L)																	
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol	--	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	--	5.4		5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	--	50	U	16	J	50	U	50	U	50	U	50	U	50	U	50	U
Benzyl Alcohol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	--	2	U	2	U	2	U	2	U	2	U	0.61	J	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1.6	J
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Isophorone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	0.4	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol	--	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	0.81	J	5	U	5	U	5	U	0.81	J	5	U	5	U	0.85	J
Semivolatile Organics by GC/MS-SIM (ug/L)																	
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	1	U	0.2	U	0.2	U
2-Methylnaphthalene	--	0.07	J	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Acenaphthene	20	0.14		0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.04	J	0.1	U
Acenaphthylene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Anthracene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Benzo(a)anthracene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Benzo(a)pyrene	0	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Benzo(ghi)perylene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Chrysene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Dibenzo(a,h)anthracene	--	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.03	J	0.1	U
Fluoranthene	50	0.06	J	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Fluorene	50	0.03	J	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.04	J	0.1	U
Hexachlorobenzene	0.04	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	4	U	0.8	U	0.01	J
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	4	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
Naphthalene	10	**10**		0.16		0.1	U	0.03	J	0.1	U	**87**		0.65		0.03	J
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	4	U	0.8	U	0.13	J
Phenanthrene	50	0.06	J	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.04	J
Pyrene	50	0.05	J	0.1	U	0.1	U	0.1	U	0.1	U	0.5	U	0.1	U	0.1	U
TOTAL SVOCs		16.62		16.16		U		0.03		0.81		87.61		0.76		2.66	

Table Notes:

NYSDEC New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient
TOGS 1.1.1 Water Quality Standard and Guidance Values.
11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.
J: The analyte concentration is below the quantitative limit (RL), but above the method detection
U: Not detected at the reported detection limit for the sample.
--: No Guidance Value.
ug/L: Microgram per Liter.
TOTAL BTEX Total concentration of benzene, toluene, ethylbenzene, and xylene
TOTAL VOCs Total concentration of volatile organic compounds

Table 10 - Total and Dissolved Metals in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-02						MW-14									
		Baseline		Q1		Q3		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		7/31/2024		2/26/2025		10/19/2023		7/31/2024		11/25/2024		2/27/2025		5/22/2025	
LAB SAMPLE ID		L2362385-02		L2443211-01		L2510540-01		L2362385-04		L2443213-01		L2469589-01		L2511034-01		L2532220-01	
SAMPLE TYPE		Water		Water		WATER		Water		Water		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual	Results		Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals by EPA Method 6010 (ug/L)																	
Aluminum, Total	--	17.2		97		67.6		47.6		61.2		17		54		514	
Antimony, Total	3	4	U	4	U	4	U	4	U	4	U	0.59	J	4	U	4	U
Arsenic, Total	25	0.36	J	1.75		2.57		1.58		2.8		3.47		3.92		4.21	
Barium, Total	1000	8.35		77.2		59.51		139.4		39.4		81.04		216.1		305.5	
Beryllium, Total	3	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, Total	5	0.2	U	0.2	U	0.08	J	0.2	U	0.2	U	0.2	U	0.2	U	0.09	J
Calcium, Total	--	150,000		310000		471000		108,000		24000		58400		154000		184000	
Chromium, Total	50	0.3	J	0.32	J	0.53	J	0.31	J	0.22	J	1	U	0.25	J	1.14	
Cobalt, Total	--	0.4	J	2.15		0.52		0.69		0.2	J	0.21	J	0.24	J	0.74	
Copper, Total	200	0.4	J	1.02		1.56		1	U	0.57	J	1	U	0.4	J	1.67	
Cyanide, Total	200	5	U	4	J	5		3	J	5	U	2	J	5	U	5	U
Iron, Total	300	255		**2050**		**3,260**		**5,600**		**2730**		**4,170**		**5,720**		**8130**	
Lead, Total	25	1	U	1.3		0.94	J	0.78	J	0.41	J	0.48	J	0.81	J	1.86	
Magnesium, Total	35000	**37,100**		**46000**		**75,800**		31,100		7430		21200		**39,600**		30700	
Manganese, Total	300	**408.4**		**3182**		**1,976**		**4311**		**602.3**		**1,424**		**1,881**		**1469**	
Mercury, Total	0.7	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, Total	100	2	U	1.46	J	1.1	J	2	U	1.76	J	0.72	J	0.82	J	1.99	J
Potassium, Total	--	5860		18600		24000		5700		2760		3050		5620		9120	
Selenium, Total	10	3.08	J	5	U	2.14	J	5	U	5	U	5	U	5	U	1.77	J
Silver, Total	50	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, Total	20000	**243,000**		**424000**		**446,000**		**168,000**		**125000**		**117,000**		**195,000**		**389000**	
Thallium, Total	0.5	1	U	1	U	1	U	1	U	0.15	J	1	U	1	U	1	U
Vanadium, Total	--	5	U	5	U	1.77	J	5	U	5	U	5	U	5	U	5	U
Zinc, Total	2000	10	U	4.87	J	13.7		10	U	10	U	10	U	11.94		3.78	J
Dissolved Metals by EPA Method 6010 (ug/L)																	
Aluminum, Dissolved	--	10	U	5.49	J	10	U	36.1		8.63	J	10	U	10	U	4.54	J
Antimony, Dissolved	3	4	U	4	U	4	U	4	U	4	U	4	U	4	U	**5.35**	
Arsenic, Dissolved	25	0.2	J	1.06		0.33	J	1.65		1.87		2.3		1.57		1.27	
Barium, Dissolved	1000	7.7		80.41		61.49		141.1		28.92		57.34		198		279.3	
Beryllium, Dissolved	3	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, Dissolved	5	0.2	U	0.2	U	0.06	J	0.2	U	0.2	U	0.2	U	0.2	U	0.06	J
Calcium, Dissolved	--	175,000		322000		417000		110,000		23800		51400		118000		196000	
Chromium, Dissolved	50	1	U	1	U	1	U	1	U	1	U	0.38	J	1	U	1	U
Cobalt, Dissolved	--	0.22	J	2.06		0.63		0.66		0.18	J	0.21	J	0.28	J	0.56	
Copper, Dissolved	200	1	U	0.69	J	0.83	J	0.42	J	1	U	1	U	1	U	1	U
Iron, Dissolved	300	50	U	93.4		53.9		**5,620**		**320**		71.7		266		200	
Lead, Dissolved	25	1	U	1	U	1	U	0.8	J	1	U	1	U	0.61	J	0.63	J
Magnesium, Dissolved	35000	**40,000**		**46400**		**72,700**		31,600		7400		19300		**45,900**		33300	
Manganese, Dissolved	300	**325.9**		**3433**		**2,852**		**4277**		**578.8**		**1,352**		**2,653**		**1451**	
Mercury, Dissolved	0.7	0.2	U	0.15	JB	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	2	U	1.41	J	1.03	J	0.94	J	1.62	J	2	U	1.05	J	1.33	J
Potassium, Dissolved	--	6,790		19900		23600		5,530		2720		2740		5470		8760	
Selenium, Dissolved	10	3.11	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver, Dissolved	50	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, Dissolved	20000	**255,000**		**460000**		**440,000**		**168,000**		**126000**		**108,000**		**203,000**		**435000**	
Thallium, Dissolved	0.5	1	U	1	U	1	U	1	U	0.19	J	1	U	1	U	1	U
Vanadium, Dissolved	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Zinc, Dissolved	2000	10	U	3.69	J	10	U	10	U	10	U	10	U	10	U	10	U

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV	New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.
11	Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.
J:	The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated
U:	Not detected at the reported detection limit for the sample.
--:	No Guidance Value.
ug/L:	Microgram per Liter.

Table 10 - Total and Dissolved Metals in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-15										MW-16									
		Baseline		Q1		Q2		Q3		Q4		Baseline		Q1		Q2		Q3		Q4	
SAMPLING DATE		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025		10/19/2023		8/1/2024		11/25/2024		2/26/2025		5/22/2025	
LAB SAMPLE ID		L2362385-05		L2443498-02		L2469589-02		L2510540-02		L2532220-02		L2362385-06		L2443498-03		L2469589-03		L2510540-03		L2532220-03	
SAMPLE TYPE		Water		Water		WATER		WATER		WATER		Water		Water		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals by EPA Method 6010 (ug/L)																					
Aluminum, Total	--	247		276		20.4		178		290		734		199		108		204		137	
Antimony, Total	3	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Arsenic, Total	25	16.52		23.51		16.59		15.7		13.61		0.41	J	0.3	J	0.24	J	0.18	J	0.27	J
Barium, Total	1000	352.4		149.4		57.09		53.01		86.02		223.6		63.52		46.78		108.6		78.83	
Beryllium, Total	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.52		0.15	J	0.1	J	0.26		0.21	
Calcium, Total	--	207,000		69000		32200		30400		62000		234,000		96300		72700		150000		132000	
Chromium, Total	50	0.5	J	0.46	J	0.46	J	0.46	J	0.48	J	1.53		0.84	J	0.38	J	0.59	J	0.39	J
Cobalt, Total	--	4.77		2.24		1.01		0.98		1.64		2.03		0.69		0.55		0.95		0.73	
Copper, Total	200	0.9	J	0.72	J	1	U	0.72	J	0.89	J	1.65		1.06		1.22		1.21		1.12	
Cyanide, Total	200	3	J	5	U	2	J	5	U	5	U	16		3	J	2	J	3	J	5	U
Iron, Total	300	**25,600**		**13500**		**4,720**		**4,340**		**9500**		**844**		267		168		221		209	
Lead, Total	25	0.5	J	0.79	J	1	U	0.8	J	0.99	J	0.92	J	0.78	J	0.72	J	1.25		0.66	J
Magnesium, Total	35000	27,900		8090		3320		4840		9010		31,000		13600		10500		22000		17600	
Manganese, Total	300	**4529**		**1848**		**808.8**		**871.3**		**1734**		**20450**		**5521**		**3,422**		**7,459**		**5498**	
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	0.92	J	1.2	J	2	U	0.68	J	0.86	J	1.01	J	0.68	J	0.66	J	0.83	J	0.82	J
Potassium, Total	--	7060		6020		3770		2530		3290		10900		5510		6130		8750		6800	
Selenium, Total	10	5	U	5	U	5	U	5	U	5	U	1.92	J	5	U	5	U	5	U	5	U
Silver, Total	50	0.4	U	0.4	U	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, Total	20000	**197,000**		**140000**		**90,300**		**85,100**		**99400**		**363,000**		**188000**		**157,000**		**212,000**		**176000**	
Thallium, Total	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vanadium, Total	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Zinc, Total	2000	10	U	10	U	10	U	14.28		10	U	10	U	10	U	10	U	12.34		10	U
Dissolved Metals by EPA Method 6010 (ug/L)																					
Aluminum, Dissolved	--	5.69	J	24.3		10	U	16.4		3.36	J	7.76	J	9.08	J	7.94	J	4.74	J	6.19	J
Antimony, Dissolved	3	4	U	4	U	4	U	4	U	1.29	J	4	U	4	U	4	U	4	U	0.7	J
Arsenic, Dissolved	25	16.33		5.12		9.46		7.15		1.13		0.22	J	0.25	J	0.34	J	0.21	J	0.24	J
Barium, Dissolved	1000	335.9		84.65		28.34		24.07		54.28		201.8		64.56		40.68		103.5		73.32	
Beryllium, Dissolved	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Dissolved	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.57		0.18	J	0.1	J	0.24		0.21	
Calcium, Dissolved	--	226,000		74100		29800		30900		67200		261,000		106000		63400		162000		141000	
Chromium, Dissolved	50	1	U	1	U	1	U	1	U	0.18	J	0.29	J	1	U	1	U	1	U	1	U
Cobalt, Dissolved	--	4.39		2.08		0.82		0.87		1.89		1.48		0.55		0.39	J	0.71		0.58	
Copper, Dissolved	200	1	U	1	U	1	U	1	U	1	U	0.74	J	0.6	J	0.86	J	0.66	J	1.01	
Iron, Dissolved	300	**24,100**		**1170**		144		284		46	J	25	J	50	U	50	U	50	U	50	U
Lead, Dissolved	25	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Magnesium, Dissolved	35000	30,900		7960		3150		4770		9630		**35,100**		13400		9300		22500		18500	
Manganese, Dissolved	300	**4378**		**1761**		**746.6**		**824**		**1754**		**19730**		**5764**		**2,743**		**7,860**		**4906**	
Mercury, Dissolved	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	1.42	J	0.78	J	2	U	2	U	0.89	J	0.85	J	2	U	2	U	0.64	J	0.87	J
Potassium, Dissolved	--	7,620		5550		3620		2790		3480		11,900		5540		5380		8830		7280	
Selenium, Dissolved	10	5	U	5	U	5	U	5	U	5	U	1.84	J	5	U	5	U	5	U	5	U
Silver, Dissolved	50	0.4	U	0.4	U	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, Dissolved	20000	**210,000**		**156000**		**86,300**		**89,500**		**110000**		**384,000**		**207000**		**143,000**		**229,000**		**188000**	
Thallium, Dissolved	0.5	1	U	1	U	1	U	1	U	1	U	0.18	J	1	U	1	U	1	U	1	U
Vanadium, Dissolved	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Zinc, Dissolved	2000	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	3.75	J

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.

11 Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

J: The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or

U: Not detected at the reported detection limit for the sample.

--: No Guidance Value.

ug/L: Microgram per Liter.

Table 10 - Total and Dissolved Metals in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-17								MW-18						MW-19	
		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q1	
SAMPLING DATE		7/31/2024		11/25/2024		2/26/2025		5/22/2025		8/1/2024		11/25/2024		2/26/2025		9/24/2024	
LAB SAMPLE ID		L2443211-02		L2469589-04		L2510540-04		L2532220-04		L2443498-01		L2469589-05		L2510540-05		L2455026-01	
SAMPLE TYPE		Water		WATER		WATER		WATER		Water		WATER		WATER		Water	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals by EPA Method 6010 (ug/L)																	
Aluminum, Total	--	358		307		581		725		118		153		8.42	J	549	
Antimony, Total	3	4	U	4	U	4	U	4	U	4	U	4	U	**3.28**	**J**	4	U
Arsenic, Total	25	0.32	J	0.33	J	0.5	U	0.53		2.62		20.98		17.85		2.26	
Barium, Total	1000	119.4		87.04		128.7		63.28		54.59		119.3		42.66		117.4	
Beryllium, Total	3	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, Total	5	0.08	J	0.09	J	0.09	J	0.07	J	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Total	--	102000		88600		136000		53600		63300		63000		28700		58600	
Chromium, Total	50	0.82	J	0.81	J	1.51		2.1		0.27	J	0.66	J	0.23	J	1	
Cobalt, Total	--	1.16		1.34		1.32		1.46		0.77		1.13		0.91		1.8	
Copper, Total	200	1.12		1.33		1.68		1.81		0.65	J	0.54	J	1	U	1.35	
Cyanide, Total	200	1	J	4	J	6		3	J	2	J	5	U	5	U	5	
Iron, Total	300	**483**		**442**		**683**		**1100**		**1080**		**10,100**		**3,250**		**1720**	
Lead, Total	25	0.78	J	0.84	J	1.19		1.75		0.43	J	0.67	J	1	U	0.92	J
Magnesium, Total	35000	13800		8210		8470		3640		8560		10400		4550		13200	
Manganese, Total	300	**2996**		**2,665**		**1,928**		**1450**		**1286**		**1,130**		**772.9**		**1807**	
Mercury, Total	0.7	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, Total	100	1.23	J	1.5	J	1.52	J	1.34	J	0.63	J	0.61	J	2	U	1.52	J
Potassium, Total	--	10600		10000		16900		6500		5290		3470		3040		6130	
Selenium, Total	10	5	U	5	U	5	U	1.85	J	5	U	5	U	5	U	5	U
Silver, Total	50	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, Total	20000	**245000**		**196,000**		**261,000**		**133000**		**133000**		**111,000**		**88,400**		**372000**	
Thallium, Total	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vanadium, Total	--	5	U	5	U	5	U	2.15	J	5	U	5	U	5	U	5	U
Zinc, Total	2000	10	U	6.08	J	12.71		4.71	J	10	U	13.62		10	U	10	U
Dissolved Metals by EPA Method 6010 (ug/L)																	
Aluminum, Dissolved	--	27.8		7.41	J	29.6		6.92	J	12.9		10	U	10	U	9.86	J
Antimony, Dissolved	3	4	U	4	U	4	U	0.52	J	4	U	4	U	1.79	J	4	U
Arsenic, Dissolved	25	0.24	J	0.35	J	0.27	J	0.5	U	1.32		2.94		14.32		1.05	
Barium, Dissolved	1000	113.1		72.38		127		51.55		53.16		77		16.82		109.7	
Beryllium, Dissolved	3	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, Dissolved	5	0.07	J	0.07	J	0.07	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Dissolved	--	99000		76700		138000		59400		63700		60200		25000		58600	
Chromium, Dissolved	50	1	U	1	U	0.18	J	0.4	J	1	U	0.46	J	1.19		1	U
Cobalt, Dissolved	--	0.86		0.92		0.81		0.41	J	0.71		1.07		0.88		1.3	
Copper, Dissolved	200	0.65	J	0.68	J	0.87	J	0.77	J	0.43	J	1	U	1	U	1	U
Iron, Dissolved	300	38.6	J	50	U	50.7		50	U	147		**466**		221		100	
Lead, Dissolved	25	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Magnesium, Dissolved	35000	13500		6870		7390		4510		8350		10400		4320		12700	
Manganese, Dissolved	300	**2875**		**2,445**		**1,879**		**1054**		**1247**		**1,194**		**702**		**1369**	
Mercury, Dissolved	0.7	0.16	JB	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	0.98	J	2	U	0.8	J	2	U	2	U	2	U	2	U	0.82	J
Potassium, Dissolved	--	10700		8590		16100		7420		5190		3700		2820		6180	
Selenium, Dissolved	10	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Silver, Dissolved	50	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, Dissolved	20000	**267000**		**169,000**		**289,000**		**175000**		**132000**		**114,000**		**87,800**		**349000**	
Thallium, Dissolved	0.5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vanadium, Dissolved	--	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Zinc, Dissolved	2000	10	U	10	U	3.61	J	10	U	10	U	10	U	10	U	10	U

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV	New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values.
11	Concentration exceeds the NYSDEC TOGS 1.1.1 AWQS GV.
J:	The analyte concentration is below the quantitative limit (RL), but above the method detection limit
U:	Not detected at the reported detection limit for the sample.
--:	No Guidance Value.
ug/L:	Microgram per Liter.

Table 11 - Residual Pesticides, Herbicides, and PCBs in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

LOCATION	NYSDEC TOGS 1.1.1 AWQS GV	MW-01		MW-02		MW-13		MW-14		MW-15		MW-16	
		Baseline											
SAMPLING DATE		10/19/2023		10/19/2023		10/19/2023		10/19/2023		10/19/2023		10/19/2023	
LAB SAMPLE ID		L2362385-01		L2362385-02		L2362385-03		L2362385-04		L2362385-05		L2362385-06	
SAMPLE TYPE		Water		Water		Water		Water		Water		Water	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Pesticides by EPA Method 8081 (ug/L)													
4,4'-DDD	0.3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDE	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Aldrin	0	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane	0.05	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane	--	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Delta-BHC	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Dieldrin	0.004	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I	--	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II	--	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	--	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin	0	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	5	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin ketone	5	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.03	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.05	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Methoxychlor	35	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.06	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
trans-Chlordane	--	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Herbicides by EPA Method 8151 (ug/L)													
2,4-D	50	10	U	10	U	10	U	10	U	10	U	10	U
2,4,5-T	35	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-TP (Silvex)	--	2	U	2	U	2	U	2	U	2	U	2	U
PCBs by EPA Method 8082A (ug/L)													
Aroclor 1016	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1221	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1232	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1242	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1248	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1254	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1260	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1262	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
Aroclor 1268	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U
PCBs, Total	--	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U

Table Notes:

NYSDEC TOGS 1.1.1 AWQS GV	New York State Department of Conservation Technical Operational Guidance Series 1.1.1 Ambient Water Quality Standard and Guidance Values
MW	Permanent Monitoring Well
U	Not detected at the reported detection limit for the sample
--	No Guidance Value
ug/L	Results are reported in microgram per liter

Table 12 - Per- and polyfluoroalkyl substances in Groundwater

101 East 150th Street, Bronx, New York
BCP Site No. C203154

LOCATION	NYSDEC AWQS April 2023	MW-14		MW-16		MW-16	
		Baseline					
SAMPLING DATE		11/15/2023		10/19/2023		11/15/2023	
LAB SAMPLE ID		L2367937-01		L2362385-06		L2367937-02	
SAMPLE TYPE		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual
Perfluorinated PFCs by EPA Method 537.1 (ug/L)							
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	--	0.0128	U	-		0.00613	U
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	0.0128	U	0.0069	U	0.00613	U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	--	0.0128	U	-		0.00613	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	0.0128	U	0.0069	U	0.00613	U
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	--	0.08	U	-		0.0383	U
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	--	0.08	U	-		0.0383	U
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	--	0.016	U	-		0.00766	U
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	--	0.0128	U	-		0.00613	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	--	0.0128	U	-		0.00613	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	--	0.00286	J	-		0.00124	J
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	--	0.0032	U	-		0.00153	U
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	--	0.032	U	-		0.0153	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	0.0032	U	0.00172	U	0.00153	U
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	--	0.0032	U	-		0.00153	U
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	--	0.032	U	-		0.0153	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	0.0032	U	0.00172	U	0.00153	U
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	--	0.0064	U	-		0.00306	U
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	--	0.00133	J	-		0.00046	J
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	--	0.00112	J	-		0.00306	U
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	--	0.00194	J	-		0.000529	J
Perfluorobutanesulfonic Acid (PFBS)	--	0.0299		0.0116		0.00665	
Perfluorobutanoic Acid (PFBA)	--	0.0182		0.0251		0.00838	
Perfluorodecanesulfonic Acid (PFDS)	--	0.0032	U	0.00172	U	0.00153	U
Perfluorodecanoic Acid (PFDA)	--	0.0032	U	0.00172	U	0.00153	U
Perfluorododecanesulfonic Acid (PFDoS)	--	0.0032	U	-		0.00153	U
Perfluorododecanoic Acid (PFDoA)	--	0.0032	U	0.00172	U	0.00153	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	0.0032	U	0.00172	U	0.00153	U
Perfluoroheptanoic Acid (PFHpA)	--	0.00781		0.0129		0.00306	
Perfluorohexanesulfonic Acid (PFHxS)	--	0.00339		0.00663		0.00143	J
Perfluorohexanoic Acid (PFHxA)	--	0.0192		0.025		0.00767	
Perfluorononanesulfonic Acid (PFNS)	--	0.0032	U	-		0.00153	U
Perfluorononanoic Acid (PFNA)	--	0.00203	J	0.00069	J	0.00153	U
Perfluorooctanesulfonamide (PFOSA)	--	0.0032	U	0.00172	U	0.00153	U
Perfluorooctanesulfonic Acid (PFOS)	0.0067	**0.0342**		0.00644		0.000759	J
Perfluorooctanoic Acid (PFOA)	0.0027	**0.0265**		**0.0892**		0.0026	
Perfluoropentanesulfonic Acid (PFPeS)	--	0.00147	J	-		0.000414	J
Perfluoropentanoic Acid (PFPeA)	--	0.0289		0.02		0.0136	
Perfluorotetradecanoic Acid (PFTeDA)	--	0.0032	U	0.00172	U	0.00153	U
Perfluorotridecanoic Acid (PFTrDA)	--	0.0032	U	0.00172	U	0.00153	U
Perfluoroundecanoic Acid (PFUnA)	--	0.0032	U	0.00172	U	0.00153	U

Table Notes:

Exceeds NYDEC Ambient Water Quality Standards (AWQS) April 2023

J Estimate Value. The analyte concentration is below the quantitative limit (RL),

U Not detected at the reported detection limit for the sample

-- No Guidance Value

ug/L Results are reported in microgram per liter

Table 13 - Volatile Organic Compounds in Soil Vapor

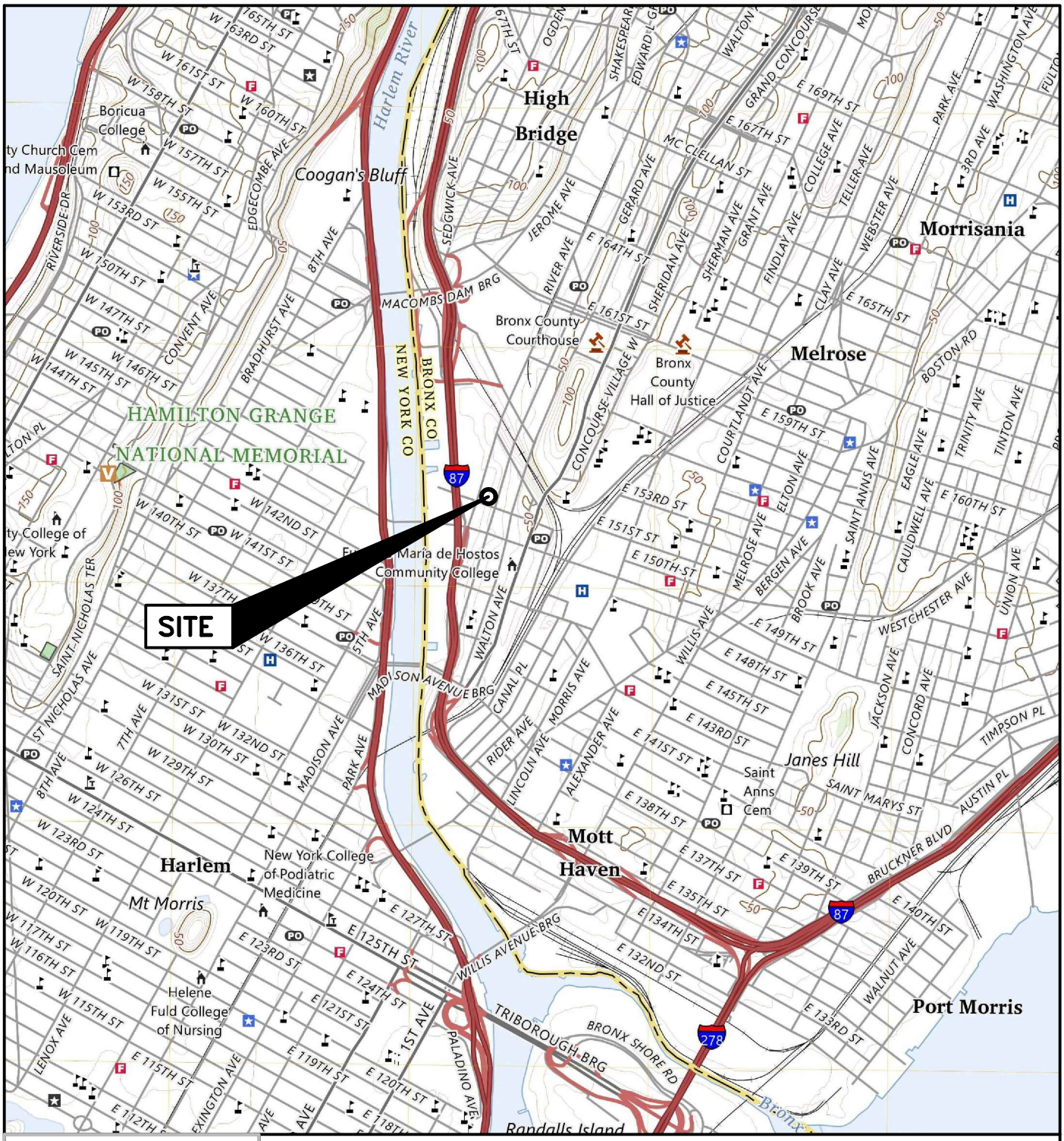
101 East 150th Street, Bronx, New York
BCP Site No. C203154

SAMPLE LOCATION	SV-29		SV-30		SV-31		SV-32		SV-33		SV-34		SV-35		SV-36		SV-37		SV-38		SV-39		SV-40	
SAMPLING DATE	10/6/2023		10/6/2023		10/6/2023		10/5/2023		10/5/2023		10/5/2023		10/5/2023		10/5/2023		10/5/2023		7/16/2024		7/16/2024		9/17/2024	
LABORATORY SAMPLE ID	L2359101-07		L2359101-08		L2359101-09		L2359101-01		L2359101-02		L2359101-03		L2359101-04		L2359101-05		L2359101-06		L2440002-01		L2440002-02		L2453470-01	
SAMPLE TYPE	SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR	
	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air by TO-15 (µg/m3)																								
1,1,1-Trichloroethane	3.94	U	1.09	U	3.76	U	1.87	U	5.36		655		213		180		1.1		1170		248		3.04	
1,1,2,2-Tetrachloroethane	4.96	U	1.37	U	4.74	U	2.35	U	1.37	U	3.43	U	3.61	U	2.37	U	1.37	U	4.9	U	2.45	U	2.29	U
1,1,2-Trichloroethane	3.94	U	1.09	U	3.76	U	1.87	U	1.09	U	2.73	U	2.87	U	1.88	U	1.09	U	3.9	U	1.95	U	1.82	U
1,1-Dichloroethane	2.92	U	0.809	U	2.79	U	1.38	U	0.809	U	125		2.13	U	1.4	U	0.809	U	6.68		1.44	U	1.35	U
1,1-Dichloroethene	2.86	U	0.793	U	2.74	U	1.36	U	0.793	U	4		2.09	U	1.37	U	0.793	U	2.83	U	1.42	U	7.02	
1,2,4-Trichlorobenzene	5.36	U	1.48	U	5.12	U	2.54	U	1.48	U	3.71	U	3.9	U	2.56	U	1.48	U	5.3	U	2.65	U	2.47	U
1,2,4-Trimethylbenzene	3.55	U	0.983	U	3.39	U	3.23		10.8		4.88		21.2		34.4		4.97		6.78		9.83		1.64	U
1,2-Dibromoethane	5.55	U	1.54	U	5.3	U	2.63	U	1.54	U	3.84	U	4.04	U	2.65	U	1.54	U	5.49	U	2.74	U	2.56	U
1,2-Dichlorobenzene	4.34	U	1.2	U	4.15	U	2.06	U	1.2	U	3.01	U	3.16	U	2.07	U	1.2	U	4.29	U	2.15	U	2	U
1,2-Dichloroethane	2.92	U	0.809	U	2.79	U	1.38	U	0.809	U	2.02	U	2.13	U	1.4	U	0.809	U	2.89	U	1.44	U	5.71	
1,2-Dichloropropane	3.34	U	0.924	U	3.19	U	1.58	U	0.924	U	2.31	U	2.43	U	1.59	U	0.924	U	3.3	U	1.65	U	1.54	U
1,3,5-Trimethylbenzene	3.55	U	0.983	U	3.39	U	1.68	U	3.05		2.46	U	6.59		9.83		1.24		3.51	U	3.68		2.18	
1,3-Butadiene	4.07		0.803		1.53	U	0.757	U	12.8		16.8		25.2		27.4		3.74		1.58	U	0.79	U	28.1	
1,3-Dichlorobenzene	4.34	U	1.2	U	4.15	U	2.06	U	1.2	U	3.01	U	3.16	U	2.07	U	1.2	U	4.29	U	2.15	U	6.13	
1,4-Dichlorobenzene	4.34	U	1.2	U	4.15	U	2.06	U	1.2	U	3.01	U	3.16	U	2.07	U	1.2	U	5.69		9.02		10.6	
1,4-Dioxane	2.6	U	0.721	U	2.49	U	1.23	U	0.721	U	1.8	U	1.9	U	1.24	U	0.721	U	2.57	U	1.29	U	1.2	U
2,2,4-Trimethylpentane	11.2		0.934	U	3.22	U	1.6	U	0.934	U	2.34	U	2.46	U	1.61	U	0.934	U	3.87		2.29		1.56	U
2-Butanone	575		156		354		2.52	U	34.8		17.9		20.5		37.8		20.7		143		146		51.9	
2-Hexanone	53.7		21.5		28.8		1.4	U	0.82	U	2.05	U	3.64		6.76		4.39		27.7		26.2		1.36	U
3-Chloropropene	2.26	U	0.626	U	2.16	U	1.07	U	0.626	U	1.57	U	1.65	U	1.08	U	0.626	U	2.23	U	1.12	U	1.04	U
4-Ethyltoluene	3.55	U	0.983	U	3.39	U	1.68	U	1.86		2.46	U	4.18		6.24		0.983	U	3.51	U	1.76	U	3.81	
4-Methyl-2-pentanone	49.6		48.4		46.7		3.51	U	123		38.4		55.7		126		76.6		7.29	U	3.66	U	5.57	
Acetone	325		96		212		4.54		78.6		48		66.3		96.4		61.3		118		155		110	
Benzene	4.22		2.12		2.2	U	1.09	U	10.2		7.54		10.6		15		4.98		8.59		2.92		29.5	
Benzyl chloride	3.74	U	1.04	U	3.57	U	1.77	U	1.04	U	2.59	U	2.72	U	1.79	U	1.04	U	3.7	U	1.85	U	1.72	U
Bromodichloromethane	4.84	U	1.34	U	78.4		125		1.34	U	3.35	U	3.52	U	2.31	U	1.34	U	4.78	U	2.39	U	2.23	U
Bromoform	7.47	U	2.07	U	7.13	U	3.54	U	2.07	U	5.17	U	5.44	U	3.57	U	2.07	U	7.38	U	3.69	U	3.44	U
Bromomethane	2.8	U	0.777	U	2.68	U	1.33	U	0.777	U	1.94	U	2.04	U	1.34	U	0.777	U	2.77	U	1.39	U	1.29	U
Carbon disulfide	6.66		1.97		2.15	U	1.07	U	16		5.57		20.6		18.9		15		20.8		16.2		35.8	
Carbon tetrachloride	4.54	U	1.26	U	4.34		3.5		1.66		3.15	U	3.31	U	2.17	U	1.26	U	4.49	U	2.25	U	2.09	U
Chlorobenzene	3.33	U	0.921	U	3.18	U	1.58	U	0.921	U	2.3	U	2.42	U	1.59	U	0.921	U	3.29	U	1.64	U	1.53	U
Chloroethane	1.91	U	0.528	U	3.75		0.902	U	0.528	U	1.32	U	1.39	U	0.91	U	0.528	U	1.88	U	0.942	U	0.879	U
Chloroform	3.56		11.1		3920		2850		26.2		190		2.57	U	40.3		0.977	U	29.6		19.6		21.5	
Chloromethane	1.49	U	0.413	U	1.94		0.706	U	3.01		2.56		1.09	U	2.68		0.413	U	1.47	U	0.737	U	1.6	
cis-1,2-Dichloroethene	2.86	U	0.793	U	2.74	U	1.36	U	0.793	U	81.3		2.09	U	1.37	U	0.793	U	2.83	U	1.42	U	288	
cis-1,3-Dichloropropene	3.28	U	0.908	U	3.13	U	1.55	U	0.908	U	2.27	U	2.39	U	1.57	U	0.908	U	3.24	U	1.62	U	1.51	U
Cyclohexane	6.61		1.11		2.38	U	1.18	U	5.68		18.3		5.16		2.84		0.778		15.9		3.79		12.7	
Dibromochloromethane	6.15	U	1.7	U	5.88	U	2.91	U	1.7	U	4.26	U	4.48	U	2.94	U	1.7	U	6.08	U	3.04	U	2.84	U
Dichlorodifluoromethane	3.57	U	2.2		4.01		2.51		2.91		2.47	U	2.6	U	2.96		2.4		3.53	U	2.42		2.4	
Ethanol	38.8		49.6		84		50.5		111		35.2		34.1		40.3		18		47.3		47.9		411	
Ethyl Acetate	6.49	U	1.8	U	6.2	U	3.08	U	1.8	U	4.5	U	4.76	U	3.11	U	1.8	U	6.41	U	3.22	U	3.01	U
Ethylbenzene	3.14	U	1.5		3	U	1.49	U	5.43		2.17	U	9.56		6.82		1.12		3.1	U	1.73		4.11	
Freon-113	5.53	U	1.53	U	5.29	U	2.62	U	1.53	U	3.83	U	4.03	U	2.64	U	1.53	U	5.47	U	2.74	U	2.55	U
Freon-114	5.05	U	1.4	U	4.82	U	2.39	U	1.4	U	3.49	U	3.68	U	2.41	U	1.4	U	4.99	U	2.5	U	2.33	U
Heptane	2.96	U	0.897		2.83	U	1.4	U	62.7		379		9.02		6.23		1.65		4.14		7.34		35.1	
Hexachlorobutadiene	7.7	U	2.13	U	7.36	U	3.65	U	2.13	U	5.33	U	5.61	U	3.68	U	2.13	U	7.62	U	3.81	U	3.55	U
Isopropanol	4.42	U	5.01		9.22		2.1	U	12.9		4.77		3.24	U	2.95		4.01		4.38	U	2.39		3.91	
Methyl tert butyl ether	2.6	U	0.721	U	2.49	U	1.23	U	0.721	U	1.8	U	1.9	U	1.24	U	0.721	U	2.57	U	1.29	U	1.2	U
Methylene chloride	11.4		2.25		63.2		2.97	U	1.74	U	4.34	U	8.79		2.99	U	3.86		9.1		3.1	U	2.9	U
n-Hexane	5.89		3.81		4.05		1.21	U	106		423		23		15.3		3.74		6.84		16.2		101	
o-Xylene	3.14	U	0.873		3	U	1.49	U	5.95		2.44		7.99		10.9		1.37		3.1	U	3.11		5.39	
p/m-Xylene	6.25	U	1.8		5.99	U	2.98	U	12.9		4.34	U	16.9		20.3		2.61		6.21	U	5.43		14.4	
Styrene	3.07	U	0.852	U	2.94	U	1.46	U	0.852	U	2.13	U	2.24	U	2.27		0.852	U	3.04	U	2.95		1.42	U
Tertiary butyl Alcohol	16		23.1		28.7		2.59	U	54.6		21.7		9.12		18.2		41.8		35.2		28.3		24.5	
Tetrachloroethene	4.9	U	1.97		4.68	U	28.6		16.5		27.1		176		685		3.24		8.34		651		909	
Tetrahydrofuran	8.91		9.2		11.9		2.52	U	17.8		6.49		8.67		11.6		17.2		5.25	U	2.63	U	2.46	U
Toluene	19.7		4.37		2.6	U	1.29	U	61.4		7.54		21		18.2		3.92		4.6		5.43		19.1	
trans-1,2-Dichloroethene	2.86	U	0.793	U	2.74	U	1.36	U	0.793	U	1.98	U	2.09	U	1.37	U	0.793	U	2.83	U	1.42	U	6.26	
trans-1,3-Dichloropropene	3.28	U	0.908	U	3.13	U	1.55	U	0.908	U	2.27	U	2.39	U	1.57	U	0.908	U	3.24	U	1.62	U	1.51	U
Trichloroethene	3.88	U	1.07	U	3.71	U	1.84	U	1.07	U	353		2.83	U	1.85	U	1.07	U	166		11.6		206	
Trichlorofluoromethane	4.06	U	1.76		3.88	U	2.08		3.56		6.57		2.96	U	3.19		1.71		30.2		2.22		1.87	U
Vinyl bromide	3.16	U	0.874	U	3.02	U	1.5	U	0.874	U	2.19	U	2.3	U	1.51	U	0.874	U	3.12	U	1.56	U	1.46	U
Vinyl chloride	1.85	U	0.511	U	1.76	U	0.874	U	0.874		1.28	U	1.34	U	0.882	U	0.511	U	1.83	U	0.913	U	25.4	

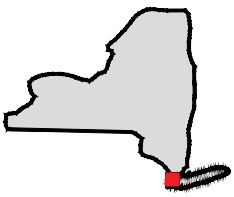
TABLE NOTES:

NYSDOH : New York State Department of Health.
U : Not detected at the reported detection limit for the sample.
ug/m^3 : micrograms per cubic meter.
Qual : Qualifiers.
Tetrachloroethene Bold and highlighted analyte identified as a chemical of potential concern (COPC) for soil vapor during the Remedial Investigation

FIGURES



NEW YORK



QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY (2023). CONTOUR INTERVAL 10FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1IN.=2,000FT.).

N W E S

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

SITE LOCATION MAP

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE
DESIGNED BY: RM	DRAWN BY: LWC	SCALE: 1"=2000'	1
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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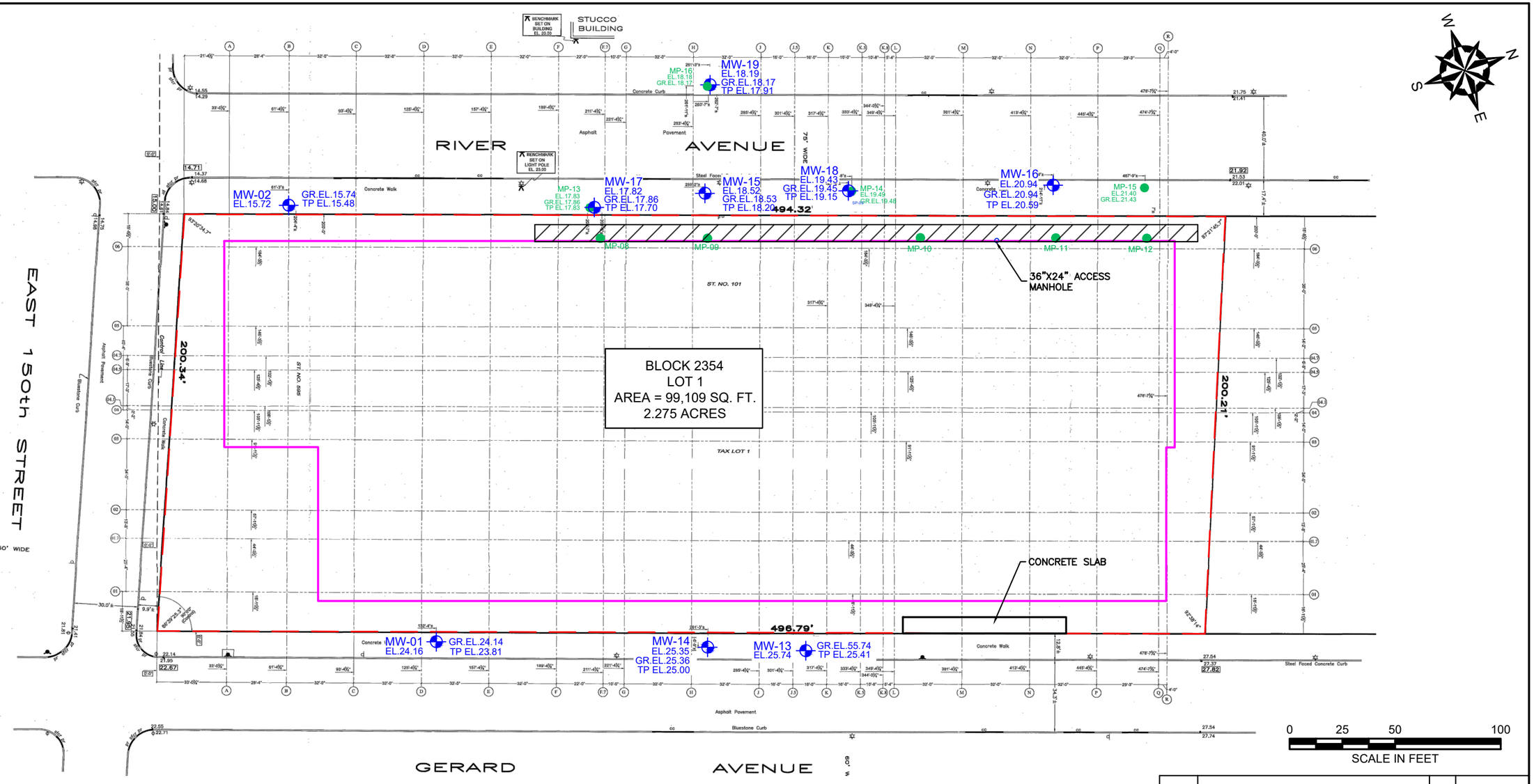
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Report\2024.10.XX Remedial Investigation Report\02 – Figures\GZA CAD\41.0163097.00 Figure 1 LWC.dwg [FIG 1 8.5x11] October



0 25 50 100

SCALE IN FEET

GENERAL NOTES

1. BASEMAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727-19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE 1"=20'.
2. BCP SITE/INSTITUTIONAL CONTROL BOUNDARY BASED ON "ENVIRONMENTAL EASEMENT SURVEY-DEC101", PREPARED BY LANGAN, DATED MAY 19, 2025.
3. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD-88 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
4. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB.

LEGEND

	BCP SITE / INSTITUTIONAL CONTROL BOUNDARY
MW-1	GROUNDWATER MONITORING WELL
GR. EL.	GROUND ELEVATION
TP	TOP OF PIPE ELEVATION
EL	TOP OF MONITORING WELL ELEVATION
MP-09	PERMANENT SOIL VAPOR MONITORING WELL
	APPROXIMATE LOCATION OF SVE SYSTEM TRENCH
	APPROXIMATE LOCATION OF SITE BUILDING

STATE OF NEW YORK
STEPHEN M. KUHL
No. 080431
LICENSED PROFESSIONAL ENGINEER

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SITE PLAN

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 2
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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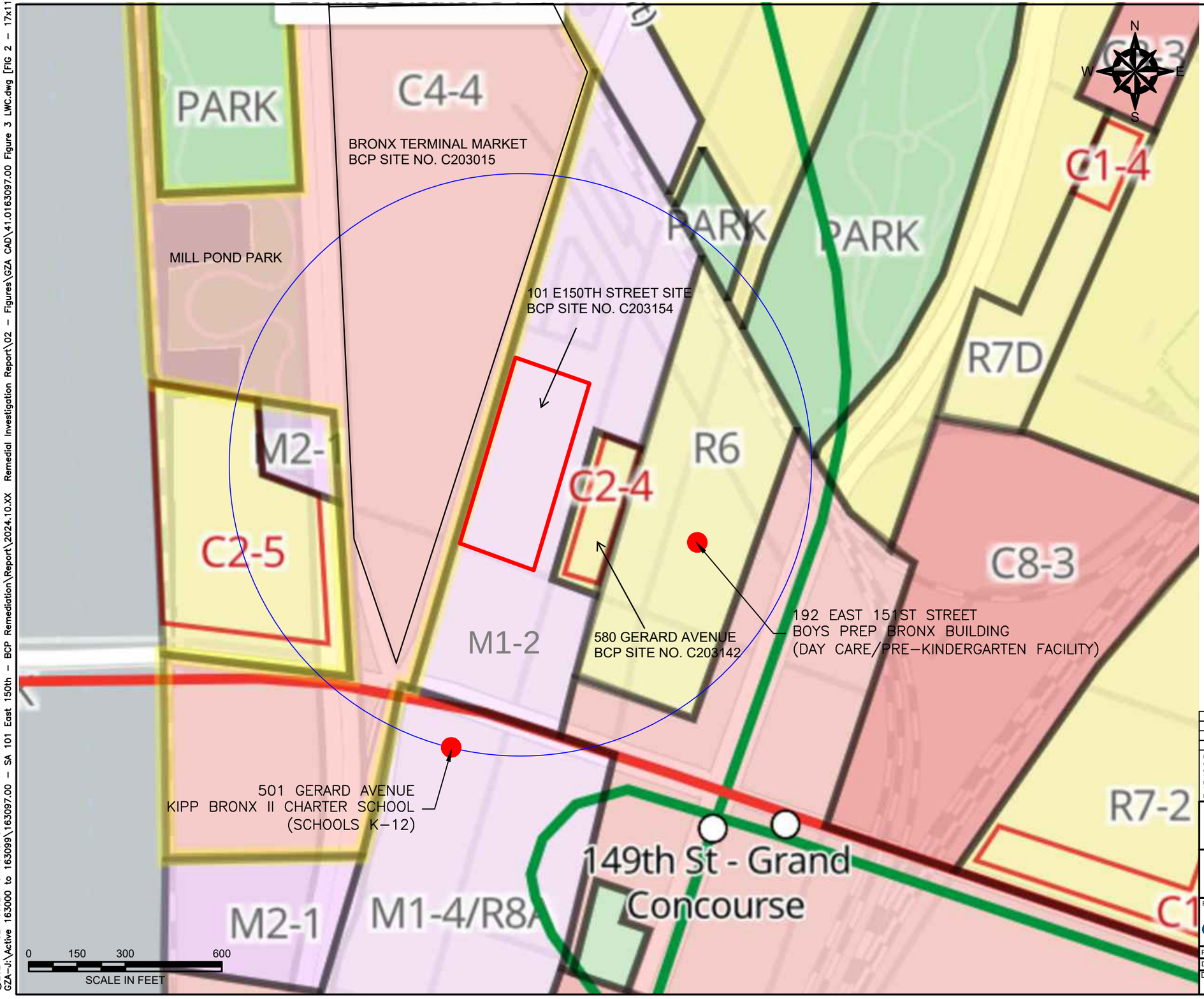
GZA-J:\Active 163000 to 163099\163097.00 - SA 101 East 150th - BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [2-Site Plan-17x11] December 15, 2025 - 5:16pm Selia.Gupta



GENERAL NOTES

1. BASE MAP DEVELOPED FROM ZONING & LAND USE MAP (ZOLA) WEBSITE.
2. SENSITIVE RECEPTORS TAKEN FROM THE NEW YORK CITY OFFICE OF ENVIRONMENTAL REMEDIATION SEARCHABLE PROPERTY ENVIRONMENTAL E-DATABASE (SPEED) 2.0, ACCESSED ON OCTOBER 18, 2024.

LEGEND

- APPROXIMATE SITE BOUNDARY
- 500 FT BUFFER
- BCP SITE BOUNDARY
- SENSITIVE RECEPTOR

- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Buildings
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land
- Other

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SURROUNDING VICINITY MAP

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE 3
DESIGNED BY: RM	DRAWN BY: LWC	SCALE: 1"=250'	
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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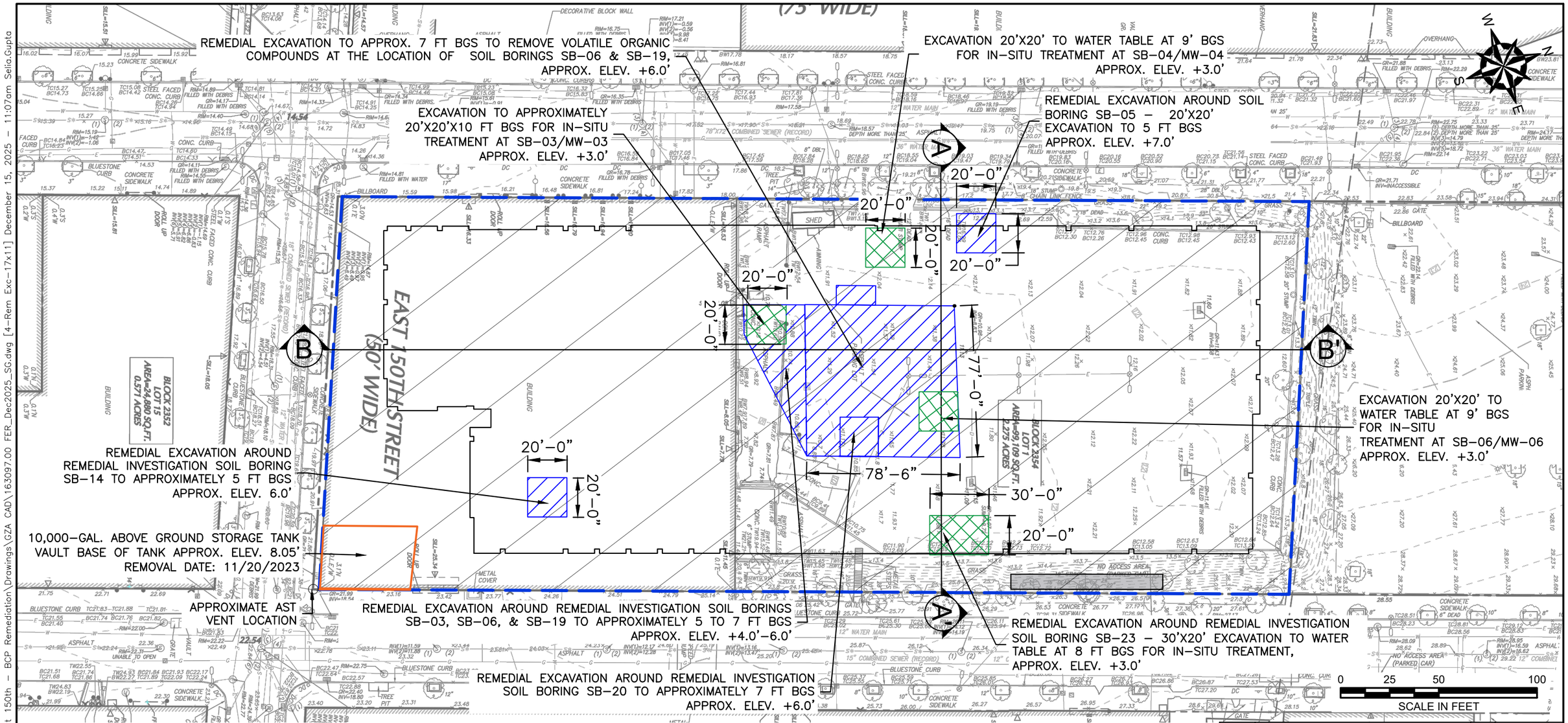
GZA-J:\Active 163000 to 163099\163097.00 - SA 101 East 150th - BCP Remediation\Report\2024.10.XX Remedial Investigation Report\02 - Figures\GZA CAD\41.0163097.00 Figure 3 LWC.dwg [FIG 2 - 17x11] Octob



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO-100.00" TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY - SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C.", ORIGINAL SCALE 1"=30', DATED 06-20-2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. EXCAVATION DEPTHS PRESENTED AS FEET BELOW CURRENT GROUND SURFACE (FT BGS).
4. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

LEGEND

- BCP BOUNDARY - 101 EAST 150TH STREET, SITE NO. C203154
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- REMEDIAL EXCAVATION FOR IN-SITU GROUNDWATER TREATMENT
- APPROXIMATE LOCATION OF ABOVE GROUND OIL TANK
- APPROXIMATE BUILDING FOOTPRINT AND NEW BASEMENT AREA

NO.	ISSUE/DESCRIPTION	BY	DATE

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STATE OF NEW YORK
STEPHEN M. KLIME
LICENSED PROFESSIONAL ENGINEER
No. 080431

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REMEDIAL EXCAVATION EXTENT

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 4
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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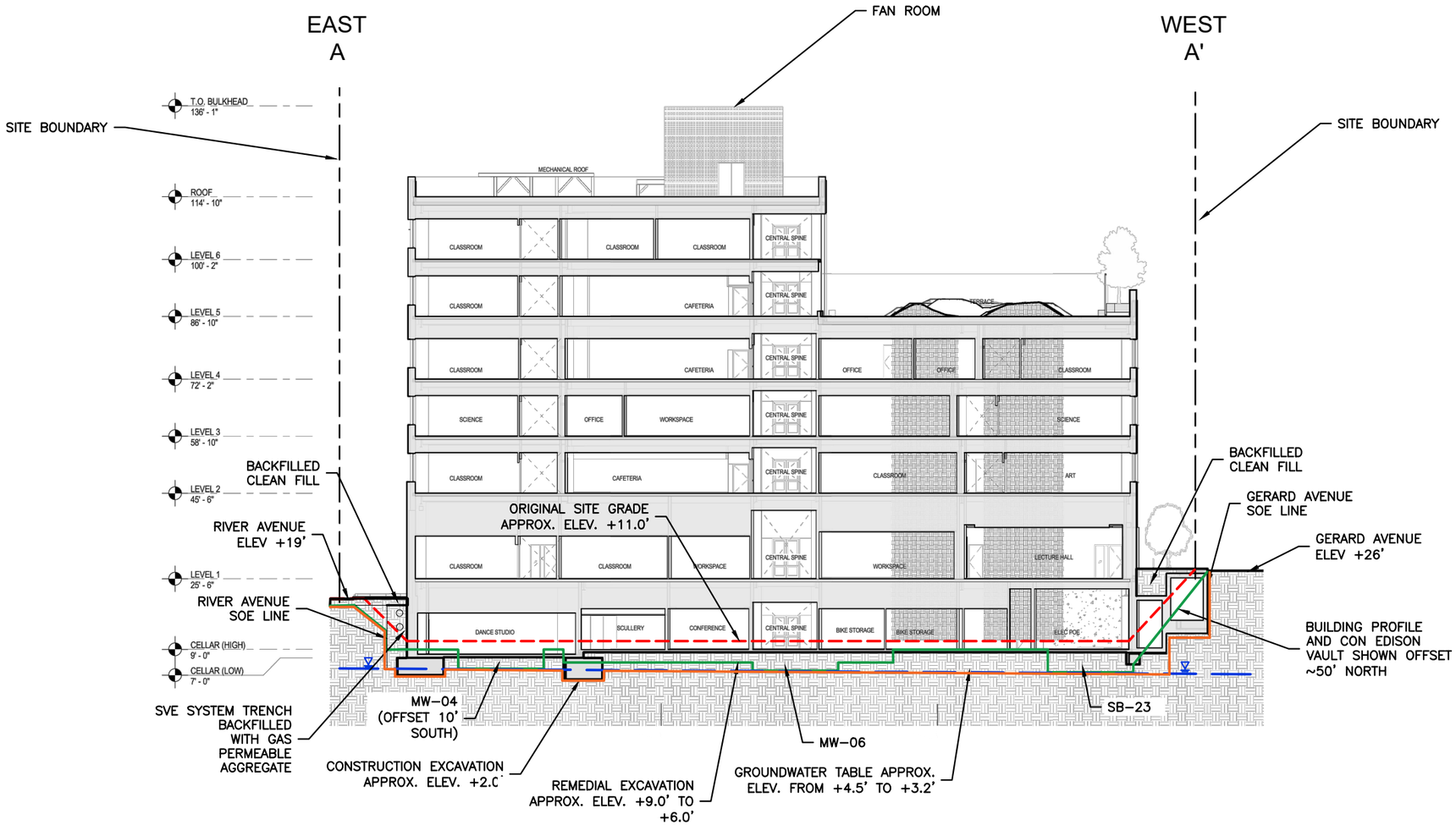
GZA-J:\Active 163000 to 163099\163097.00 - SA 101 East 150th - BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [4-Rem Exc-17x11] December 15, 2025 - 11:07am Selia.Gupta



GENERAL NOTES

1. BASEMAP DEVELOPED FROM DRAWING TITLED "BUILDING SECTIONS – TRANSVERSE" PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", DATED MAY 26, 2023, ORIGINAL SCALE $\frac{1}{16}$" = 1'–0".
2. ORIGINAL SITE GRADE ELEVATIONS TAKEN FROM SURVEY TITLED "SITE SURVEY" PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", DATED MAY 26, 2023, ORIGINAL SCALE 1" = 30.
3. GROUNDWATER ELEVATIONS WERE TAKEN BY GZA PERSONNEL USING AN OIL/WATER INTERFACE PROBE ON MAY 22, 2025. REFER TO FIGURE 6A FOR GROUNDWATER CONTOUR MAP.
4. REFER TO FIGURE 4 FOR SURFACE PROFILES.
5. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

LEGEND

- APPROXIMATE ORIGINAL SITE GRADE ELEVATION PRIOR TO EXCAVATION
- APPROXIMATE REMEDIAL EXCAVATION ELEVATION
- GROUNDWATER TABLE ELEVATION
- CONSTRUCTION EXCAVATION

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REMEDIAL EXCAVATION EXTENT
PROFILE A-A'

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 4A
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 30'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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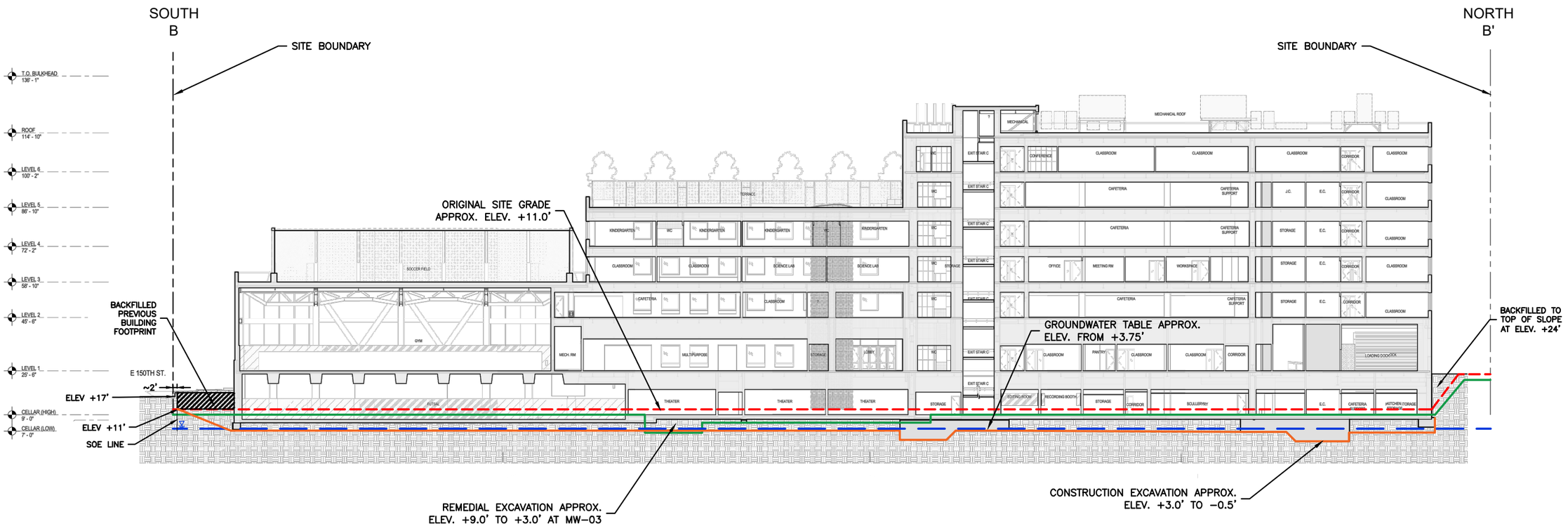
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [4A–A–A'–17x11] December 10, 2025 – 2:32pm Selia.Gupta



0 20 40 80

SCALE IN FEET

GENERAL NOTES

1. BASEMAP DEVELOPED FROM DRAWING TITLED "BUILDING SECTIONS – LONGITUDINAL" PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", DATED MAY 26, 2023, ORIGINAL SCALE $\frac{1}{16}$" = 1'-0".
2. ORIGINAL SITE GRADE ELEVATIONS TAKEN FROM SURVEY TITLED "SITE SURVEY" PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", DATED MAY 26, 2023, ORIGINAL SCALE 1" = 30.
3. GROUNDWATER ELEVATIONS WERE TAKEN BY GZA PERSONNEL USING AN OIL/WATER INTERFACE PROBE ON MAY 22, 2025. REFER TO FIGURE 6A FOR GROUNDWATER CONTOUR MAP.
4. REFER TO FIGURE 4 FOR SURFACE PROFILES.
5. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.

LEGEND

- APPROXIMATE ORIGINAL SITE GRADE ELEVATION PRIOR TO EXCAVATION
- APPROXIMATE REMEDIAL EXCAVATION ELEVATION
- GROUNDWATER TABLE ELEVATION
- CONSTRUCTION EXCAVATION

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REMEDIAL EXCAVATION EXTENT
PROFILE A-A'

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 4B
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 40'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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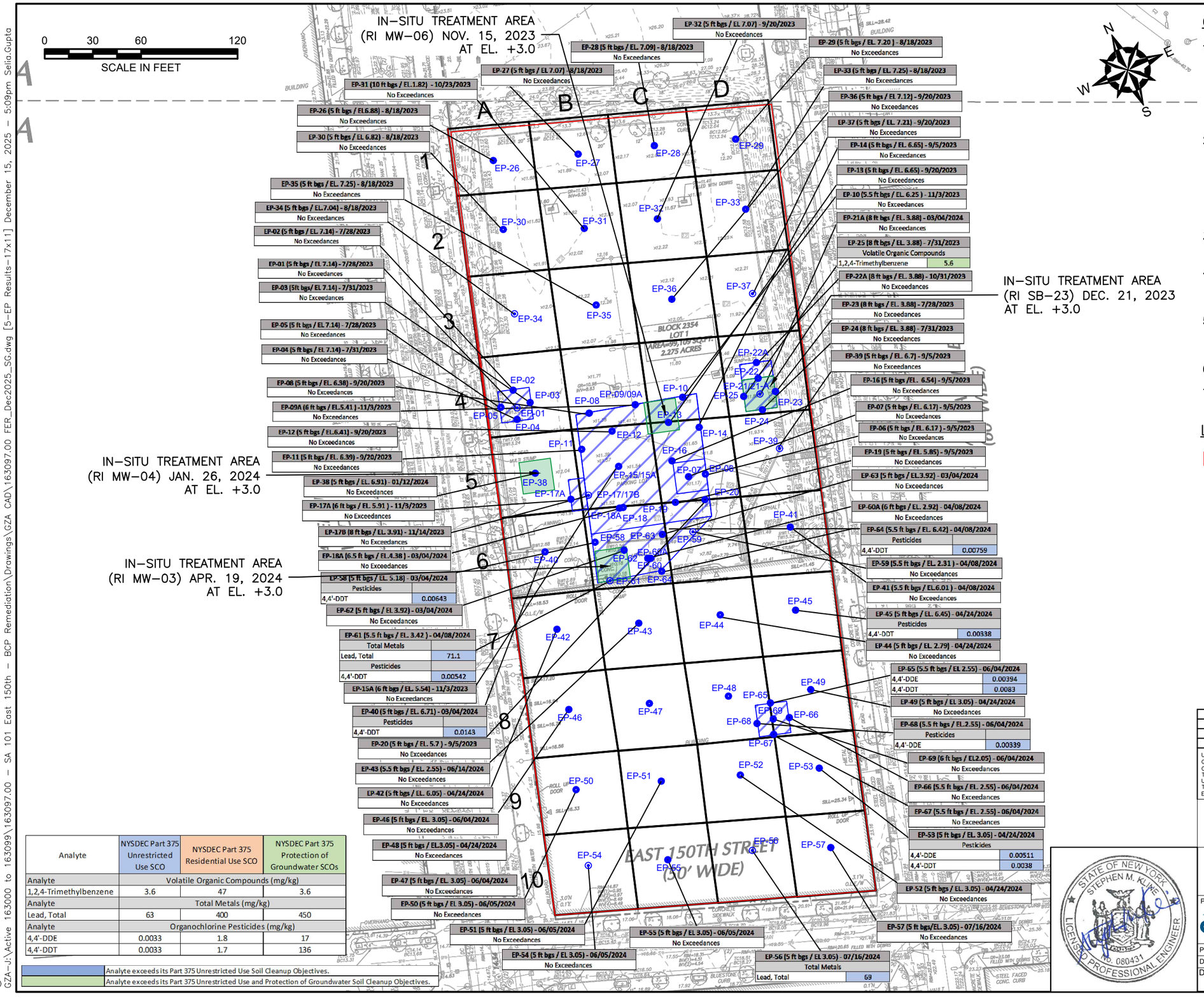
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [4B-B-B'-17x11] December 10, 2025 – 2:32pm Selia.Gupta



Analyte	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Residential Use SCO	NYSDEC Part 375 Protection of Groundwater SCOs
Analyte	Volatile Organic Compounds (mg/kg)		
1,2,4-Trimethylbenzene	3.6	47	3.6
Analyte	Total Metals (mg/kg)		
Lead, Total	63	400	450
Analyte	Organochlorine Pesticides (mg/kg)		
4,4'-DDE	0.0033	1.8	17
4,4'-DDT	0.0033	1.7	136

Analyte exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Analyte exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO-100.00" TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT". PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C.", ORIGINAL SCALE 1"=30", DATED 06-20-2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. SAMPLE DATE IS DISPLAYED NEXT TO THE SAMPLE ID IN EACH RESPECTIVE CHEMBOX.
4. ONLY FINAL ENDPOINT SAMPLING RESULTS ARE PRESENTED. FOR EXAMPLE, EP-09 WAS OVEREXCAVATED AND RE-SAMPLED AS EP-09A.
5. SAMPLE ELEVATIONS ESTIMATED FROM ORIGINAL GROUND SURFACE TOPOGRAPHY DEPICTED ON BASE MAP.
6. FT BGS – FEET BELOW GROUND SURFACE
7. EL. – ELEVATIONS BASED ON DATUM NAVD88

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- IN-SITU TREATMENT AREAS
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

STATE OF NEW YORK STEPHEN M. KLIME LICENSED PROFESSIONAL ENGINEER NO. 080431

ENDPOINT SAMPLING RESULTS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com

PREPARED FOR: 586 RIVER AVE., LLC

PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 60'	5
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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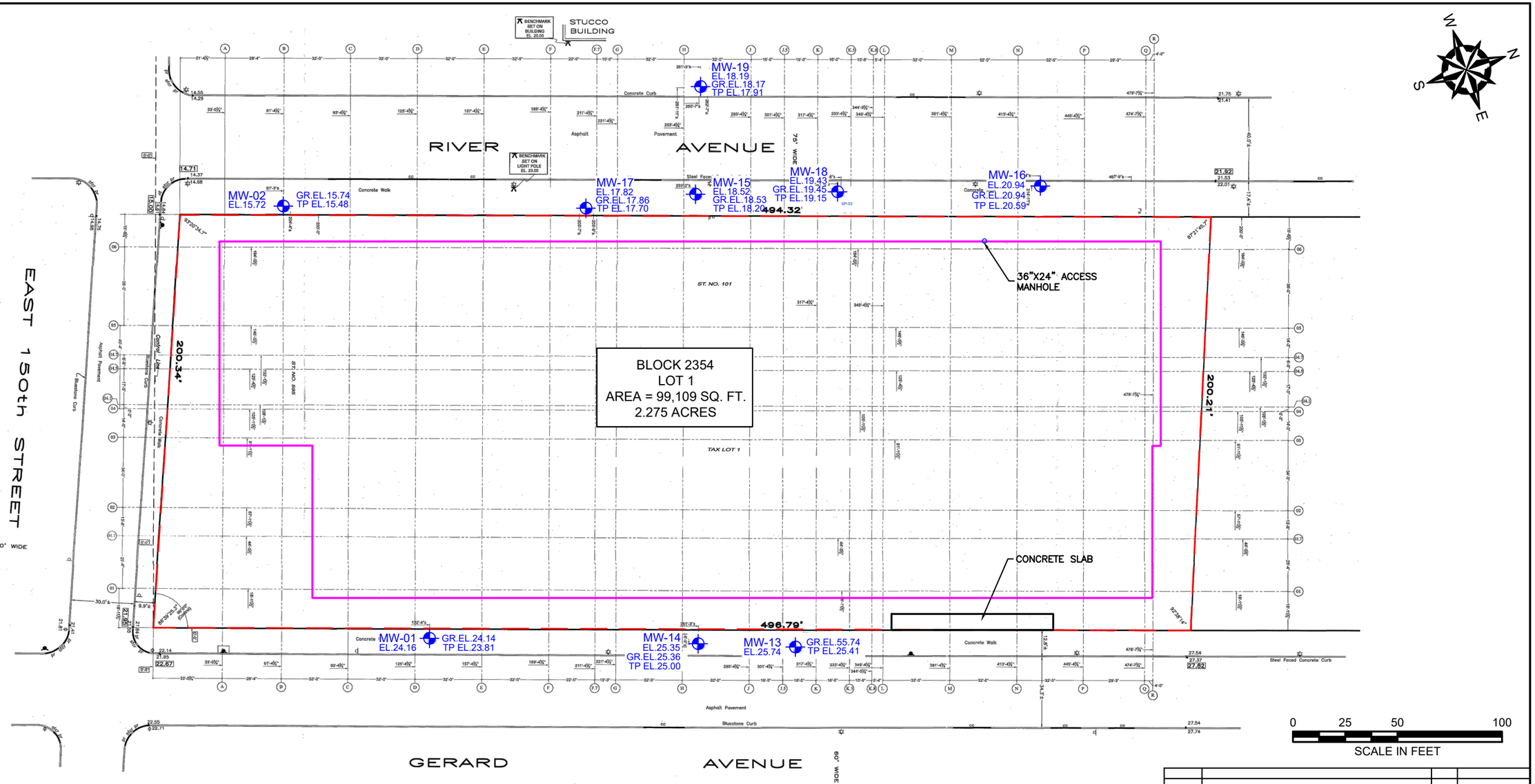
GZA-J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [5-EP Results-17x11] December 15, 2025 – 5:09pm Selia.Gupta



0 25 50 100
SCALE IN FEET

GENERAL NOTES

1. BASEMAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE 1"=20'.
2. BCP SITE/INSTITUTIONAL CONTROL BOUNDARY BASED ON "ENVIRONMENTAL EASEMENT SURVEY–DEC101", PREPARED BY LANGAN, DATED MAY 19, 2025.
3. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD–88 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
4. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB.

LEGEND

- BCP SITE / INSTITUTIONAL CONTROL BOUNDARY
- MW-1 — GROUNDWATER MONITORING WELL
- GR. EL. — GROUND ELEVATION
- TP — TOP OF PIPE ELEVATION
- EL — TOP OF MONITORING WELL ELEVATION
- APPROXIMATE LOCATION OF SITE BUILDING FOUNDATION

STATE OF NEW YORK · STEPHEN M. KLIME · LICENSED PROFESSIONAL ENGINEER · NO. 080431

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

POST-REMEDIATION GROUNDWATER SAMPLE LOCATION MAP

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 6
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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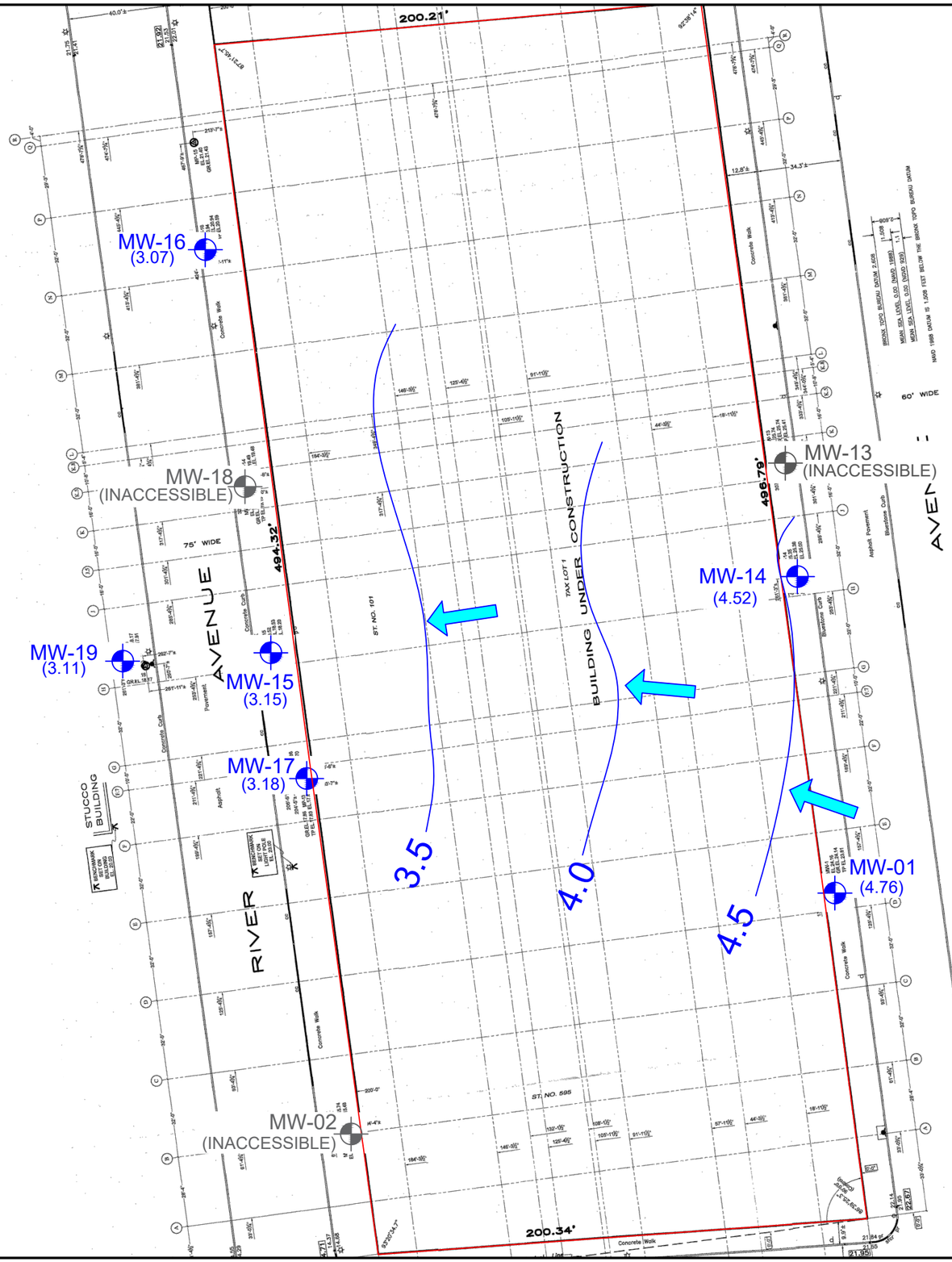
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [6–GW SLM–17x11] December 15, 2025 – 11:13am Selia.Gupta



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE NOT TO SCALE, DATED NO DATE.
2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
3. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATION LOCATIONS AND ESTIMATED GROUNDWATER CONTOURS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
4. GROUNDWATER ELEVATIONS WERE TAKEN BY GZA PERSONNEL USING AN OIL/WATER INTERFACE PROBE ON MAY 22, 2025.
5. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
6. GZA FIELD PERSONNEL WERE UNABLE TO ACCESS MW–02, MW–13, AND MW–18 DUE TO THEM BEING COVERED WITH CONSTRUCTION EQUIPMENT.

LEGEND

- APPROXIMATE SITE BOUNDARY
- MW-01 — APPROXIMATE PERMANENT MONITORING WELL LOCATION
- (3.81) — GROUNDWATER ELEVATION USED TO DEVELOP GROUNDWATER CONTOUR (NAVD 88)
- INFERRED GROUNDWATER FLOW DIRECTION
- 3.0 — GROUNDWATER CONTOUR WITH RELATED ELEVATION (NAVD 88)

0 25 50 100
SCALE IN FEET

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER CONTOUR MAP
MAY 22, 2025

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 6A
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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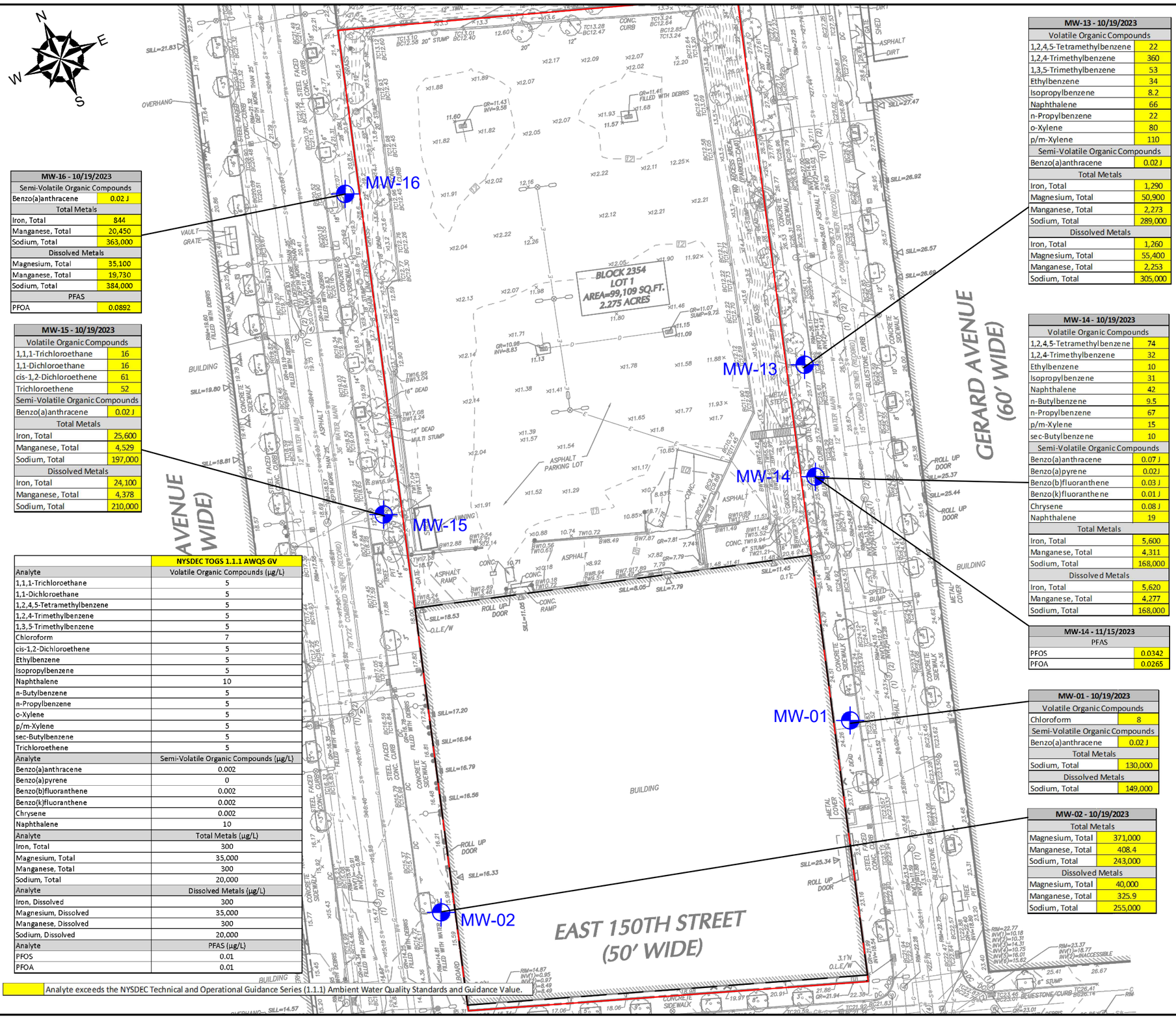
GZA–\\GZANYMan1\Jobs\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 SMP_Oct2025.dwg [5A–GW contour] September 25, 2025 – 4:20pm Selia.Gupta



MW-16 - 10/19/2023	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.02 J
Total Metals	
Iron, Total	844
Manganese, Total	20,450
Sodium, Total	363,000
Dissolved Metals	
Magnesium, Total	35,100
Manganese, Total	19,730
Sodium, Total	384,000
PFAS	
PFOA	0.0892

MW-15 - 10/19/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	16
1,1-Dichloroethane	16
cis-1,2-Dichloroethene	61
Trichloroethene	52
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.02 J
Total Metals	
Iron, Total	25,600
Manganese, Total	4,529
Sodium, Total	197,000
Dissolved Metals	
Iron, Total	24,100
Manganese, Total	4,378
Sodium, Total	210,000

	NYSDEC TOGS 1.1.1 AWQS GV
Analyte	Volatile Organic Compounds (µg/L)
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Chloroform	7
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
Naphthalene	10
n-Butylbenzene	5
n-Propylbenzene	5
o-Xylene	5
p/m-Xylene	5
sec-Butylbenzene	5
Trichloroethene	5
Analyte	Semi-Volatile Organic Compounds (µg/L)
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Naphthalene	10
Analyte	Total Metals (µg/L)
Iron, Total	300
Magnesium, Total	35,000
Manganese, Total	300
Sodium, Total	20,000
Analyte	Dissolved Metals (µg/L)
Iron, Dissolved	300
Magnesium, Dissolved	35,000
Manganese, Dissolved	300
Sodium, Dissolved	20,000
Analyte	PFAS (µg/L)
PFOS	0.01
PFOA	0.01

Analyte exceeds the NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Value.

MW-13 - 10/19/2023	
Volatile Organic Compounds	
1,2,4,5-Tetramethylbenzene	22
1,2,4-Trimethylbenzene	360
1,3,5-Trimethylbenzene	53
Ethylbenzene	34
Isopropylbenzene	8.2
Naphthalene	66
n-Propylbenzene	22
o-Xylene	80
p/m-Xylene	110
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.02 J
Total Metals	
Iron, Total	1,290
Magnesium, Total	50,900
Manganese, Total	2,273
Sodium, Total	289,000
Dissolved Metals	
Iron, Total	1,260
Magnesium, Total	55,400
Manganese, Total	2,253
Sodium, Total	305,000

MW-14 - 10/19/2023	
Volatile Organic Compounds	
1,2,4,5-Tetramethylbenzene	74
1,2,4-Trimethylbenzene	32
Ethylbenzene	10
Isopropylbenzene	31
Naphthalene	42
n-Butylbenzene	9.5
n-Propylbenzene	67
p/m-Xylene	15
sec-Butylbenzene	10
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.07 J
Benzo(a)pyrene	0.02J
Benzo(b)fluoranthene	0.03 J
Benzo(k)fluoranthene	0.01 J
Chrysene	0.08 J
Naphthalene	19
Total Metals	
Iron, Total	5,600
Manganese, Total	4,311
Sodium, Total	168,000
Dissolved Metals	
Iron, Total	5,620
Manganese, Total	4,277
Sodium, Total	168,000

MW-14 - 11/15/2023	
PFAS	
PFOS	0.0342
PFOA	0.0265

MW-01 - 10/19/2023	
Volatile Organic Compounds	
Chloroform	8
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.02 J
Total Metals	
Sodium, Total	130,000
Dissolved Metals	
Sodium, Total	149,000

MW-02 - 10/19/2023	
Total Metals	
Magnesium, Total	371,000
Manganese, Total	408.4
Sodium, Total	243,000
Dissolved Metals	
Magnesium, Total	40,000
Manganese, Total	325.9
Sodium, Total	255,000

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"–30', DATED 06–20–2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATION LOCATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. ALL UNITS ARE IN MICROGRAMS PER LITER (µG/L). SAMPLING DATES ARE SHOWN NEXT TO THE SAMPLE ID IN MM/DD/YYYY FORMAT.
5. LAB QUALIFIERS ARE SHOWN NEXT TO THE ANALYTE CONCENTRATION, IF APPLICABLE (I.E. 0.02 (J)). LAB QUALIFIER DESCRIPTIONS ARE DESCRIBED IN THE LABORATORY ANALYTICAL REPORTS.

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- MW-14 — APPROXIMATE PERMANENT MONITORING WELL LOCATION

0 25 50 100

SCALE IN FEET

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER ANALYTICAL RESULTS
BASELINE (OCTOBER 2023)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	6B
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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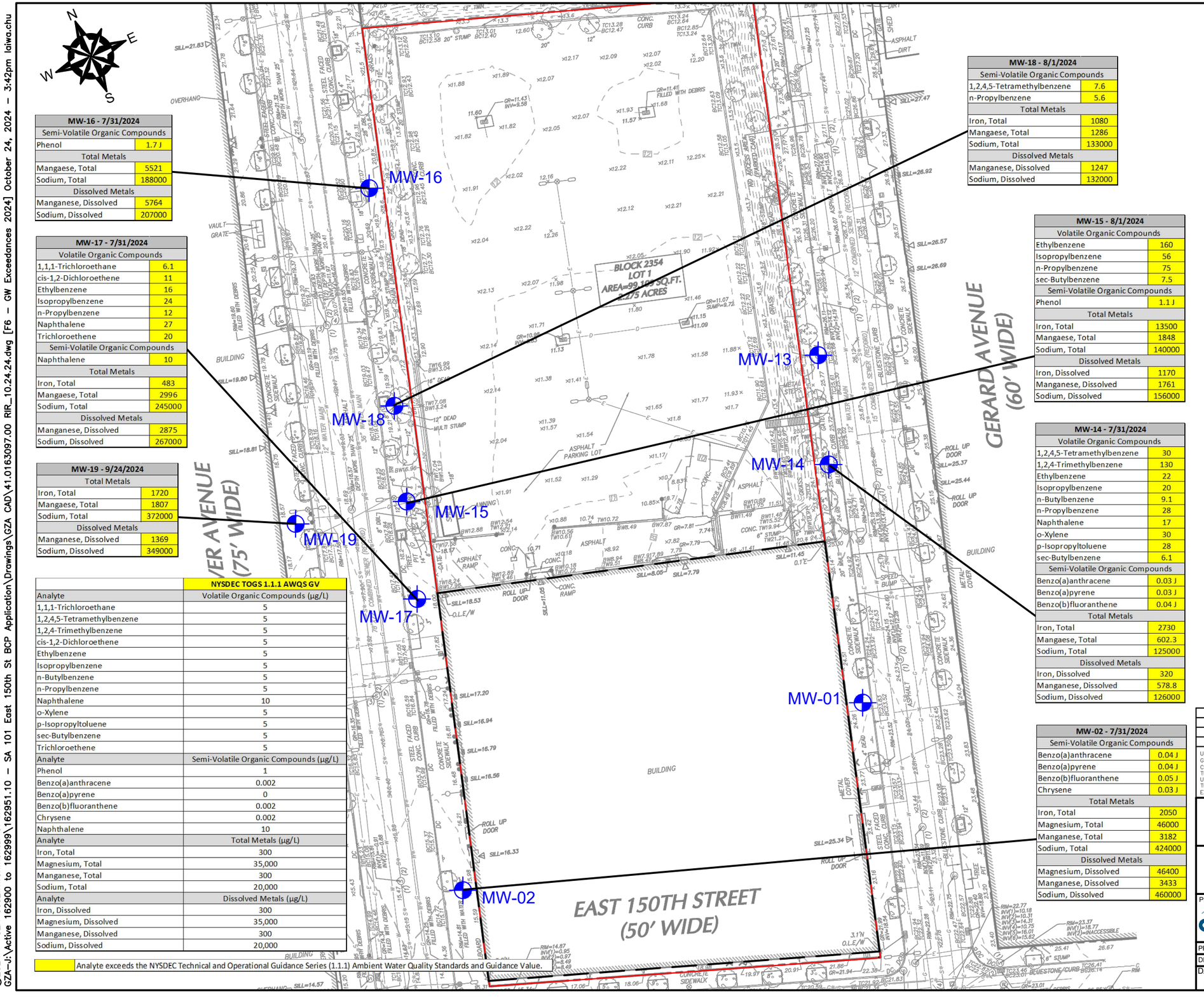
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 Supplemental RIR_jn.dwg [F6 – GW Exceedances] October 30, 2024 – 4:27pm Jazlyn.Natalie



MW-16 - 7/31/2024	
Semi-Volatile Organic Compounds	
Phenol	1.7 J
Total Metals	
Mangaese, Total	5521
Sodium, Total	188000
Dissolved Metals	
Manganese, Dissolved	5764
Sodium, Dissolved	207000

MW-17 - 7/31/2024	
Volatile Organic Compounds	
1,1,1-Trichloroethane	6.1
cis-1,2-Dichloroethene	11
Ethylbenzene	16
Isopropylbenzene	24
n-Propylbenzene	12
Naphthalene	27
Trichloroethene	20
Semi-Volatile Organic Compounds	
Naphthalene	10
Total Metals	
Iron, Total	483
Mangaese, Total	2996
Sodium, Total	245000
Dissolved Metals	
Manganese, Dissolved	2875
Sodium, Dissolved	267000

MW-19 - 9/24/2024	
Total Metals	
Iron, Total	1720
Mangaese, Total	1807
Sodium, Total	372000
Dissolved Metals	
Manganese, Dissolved	1369
Sodium, Dissolved	349000

	NYSDEC TOGS 1.1.1 AWQS GV
Analyte	Volatile Organic Compounds (µg/L)
1,1,1-Trichloroethane	5
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p-Isopropyltoluene	5
sec-Butylbenzene	5
Trichloroethene	5
Analyte	Semi-Volatile Organic Compounds (µg/L)
Phenol	1
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Chrysene	0.002
Naphthalene	10
Analyte	Total Metals (µg/L)
Iron, Total	300
Magnesium, Total	35,000
Manganese, Total	300
Sodium, Total	20,000
Analyte	Dissolved Metals (µg/L)
Iron, Dissolved	300
Magnesium, Dissolved	35,000
Manganese, Dissolved	300
Sodium, Dissolved	20,000

Analyte exceeds the NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Value.

MW-18 - 8/1/2024	
Semi-Volatile Organic Compounds	
1,2,4,5-Tetramethylbenzene	7.6
n-Propylbenzene	5.6
Total Metals	
Iron, Total	1080
Mangaese, Total	1286
Sodium, Total	133000
Dissolved Metals	
Manganese, Dissolved	1247
Sodium, Dissolved	132000

MW-15 - 8/1/2024	
Volatile Organic Compounds	
Ethylbenzene	160
Isopropylbenzene	56
n-Propylbenzene	75
sec-Butylbenzene	7.5
Semi-Volatile Organic Compounds	
Phenol	1.1 J
Total Metals	
Iron, Total	13500
Mangaese, Total	1848
Sodium, Total	140000
Dissolved Metals	
Iron, Dissolved	1170
Manganese, Dissolved	1761
Sodium, Dissolved	156000

MW-14 - 7/31/2024	
Volatile Organic Compounds	
1,2,4,5-Tetramethylbenzene	30
1,2,4-Trimethylbenzene	130
Ethylbenzene	22
Isopropylbenzene	20
n-Butylbenzene	9.1
n-Propylbenzene	28
Naphthalene	17
o-Xylene	30
p-Isopropyltoluene	28
sec-Butylbenzene	6.1
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.03 J
Benzo(a)pyrene	0.03 J
Benzo(b)fluoranthene	0.04 J
Total Metals	
Iron, Total	2730
Mangaese, Total	602.3
Sodium, Total	125000
Dissolved Metals	
Iron, Dissolved	320
Manganese, Dissolved	578.8
Sodium, Dissolved	126000

MW-02 - 7/31/2024	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	0.04 J
Benzo(a)pyrene	0.04 J
Benzo(b)fluoranthene	0.05 J
Chrysene	0.03 J
Total Metals	
Iron, Total	2050
Magnesium, Total	46000
Manganese, Total	3182
Sodium, Total	424000
Dissolved Metals	
Magnesium, Dissolved	46400
Manganese, Dissolved	3433
Sodium, Dissolved	460000

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"=30', DATED 06-20-2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATION LOCATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. ALL UNITS ARE IN MICROGRAMS PER LITER (µG/L). SAMPLING DATES ARE SHOWN NEXT TO THE SAMPLE ID IN MM/DD/YYYY FORMAT.
5. LAB QUALIFIERS ARE SHOWN NEXT TO THE ANALYTE CONCENTRATION, IF APPLICABLE (I.E. 0.02 (J)). LAB QUALIFIER DESCRIPTIONS ARE DESCRIBED IN THE LABORATORY ANALYTICAL REPORTS.

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- MW-14 — APPROXIMATE PERMANENT MONITORING WELL LOCATION

0 25 50 100

SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER ANALYTICAL RESULTS
QUARTER 1 (JULY - SEPTEMBER 2024)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE 6C
DESIGNED BY: RPM	DRAWN BY: LWC	SCALE: 1"=50'	
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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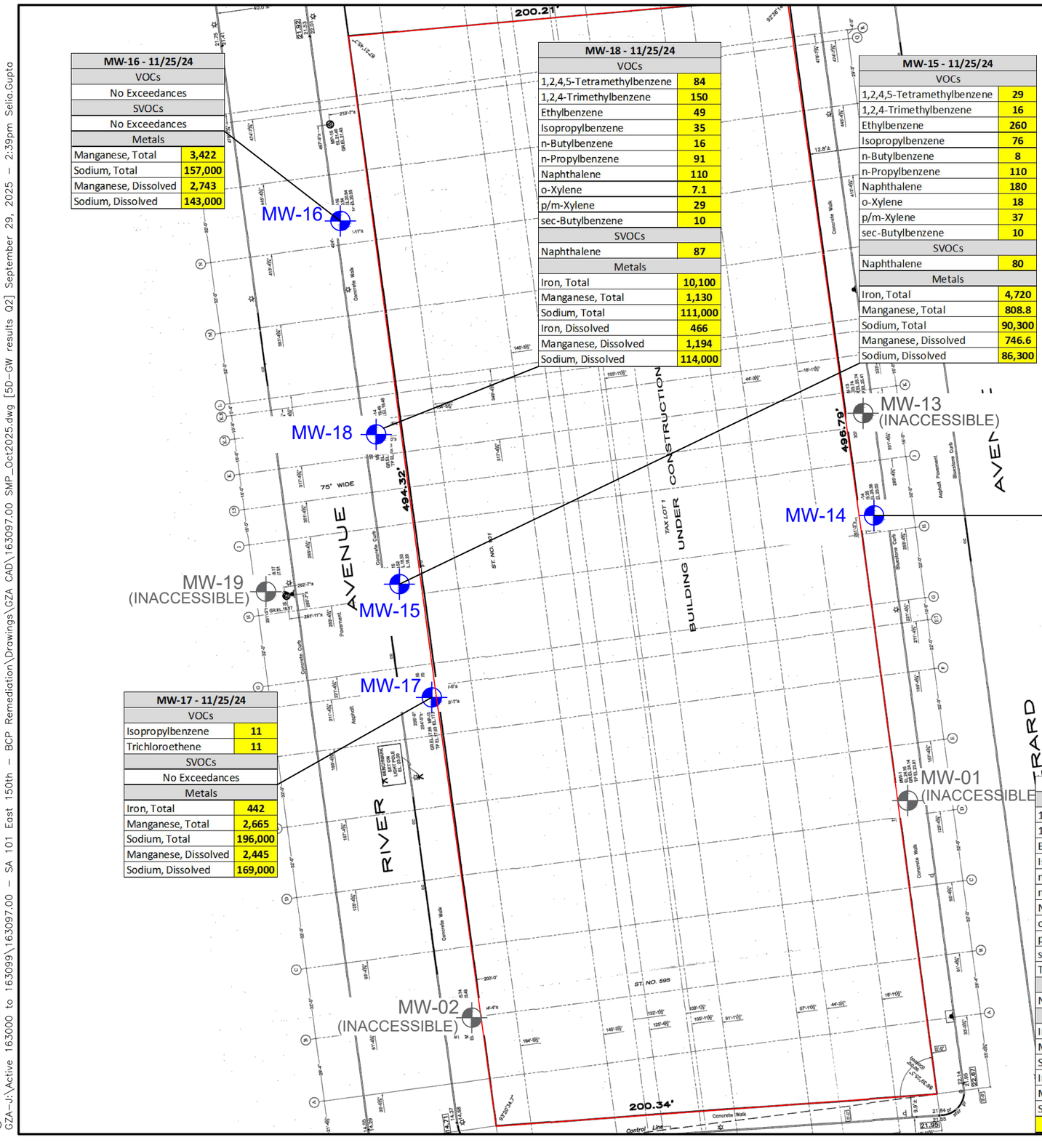
GZA-J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 RIR_10.24.24.dwg [F6 – GW Exceedances 2024] October 24, 2024 – 3:42pm laiwa.chu



MW-16 - 11/25/24	
VOCs	
No Exceedances	
SVOCs	
No Exceedances	
Metals	
Manganese, Total	3,422
Sodium, Total	157,000
Manganese, Dissolved	2,743
Sodium, Dissolved	143,000

MW-18 - 11/25/24	
VOCs	
1,2,4,5-Tetramethylbenzene	84
1,2,4-Trimethylbenzene	150
Ethylbenzene	49
Isopropylbenzene	35
n-Butylbenzene	16
n-Propylbenzene	91
Naphthalene	110
o-Xylene	7.1
p/m-Xylene	29
sec-Butylbenzene	10
SVOCs	
Naphthalene	87
Metals	
Iron, Total	10,100
Manganese, Total	1,130
Sodium, Total	111,000
Iron, Dissolved	466
Manganese, Dissolved	1,194
Sodium, Dissolved	114,000

MW-15 - 11/25/24	
VOCs	
1,2,4,5-Tetramethylbenzene	29
1,2,4-Trimethylbenzene	16
Ethylbenzene	260
Isopropylbenzene	76
n-Butylbenzene	8
n-Propylbenzene	110
Naphthalene	180
o-Xylene	18
p/m-Xylene	37
sec-Butylbenzene	10
SVOCs	
Naphthalene	80
Metals	
Iron, Total	4,720
Manganese, Total	808.8
Sodium, Total	90,300
Manganese, Dissolved	746.6
Sodium, Dissolved	86,300

MW-14 - 11/25/24	
VOCs	
1,2,4,5-Tetramethylbenzene	41
1,2,4-Trimethylbenzene	690
Ethylbenzene	98
Isopropylbenzene	60
n-Butylbenzene	8.5
n-Propylbenzene	99
Naphthalene	32
o-Xylene	120
p/m-Xylene	34
sec-Butylbenzene	9.9
SVOCs	
No Exceedances	
Metals	
Iron, Total	4,170
Manganese, Total	1,424
Sodium, Total	117,000
Manganese, Dissolved	1,352
Sodium, Dissolved	108,000

MW-17 - 11/25/24	
VOCs	
Isopropylbenzene	11
Trichloroethene	11
SVOCs	
No Exceedances	
Metals	
Iron, Total	442
Manganese, Total	2,665
Sodium, Total	196,000
Manganese, Dissolved	2,445
Sodium, Dissolved	169,000

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE NOT TO SCALE, DATED NO DATE.
2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
4. GZA FIELD PERSONNEL DID NOT SAMPLE, OR WERE UNABLE TO ACCESS MW–01, MW–02, MW–13, AND MW–19 DUE TO WELLS BEING UNDERNEATH CONSTRUCTION EQUIPMENT.

LEGEND

APPROXIMATE SITE BOUNDARY

MW-01 APPROXIMATE PERMANENT MONITORING WELL LOCATION

	NYSDEC TOGS 1.1.1 AWQS GV
Analyte	Volatile Organic Compounds (ug/L)
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p/m-Xylene	5
sec-Butylbenzene	5
Trichloroethene	5
Analyte	Semivolatile Organic Compounds (ug/L)
Naphthalene	10
Analyte	Metals (ug/L)
Iron, Total	300
Manganese, Total	300
Sodium, Total	20000
Iron, Dissolved	300
Manganese, Dissolved	300
Sodium, Dissolved	20000

Value exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

0 25 50 100
SCALE IN FEET

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER ANALYTICAL RESULTS QUARTER 2 (OCTOBER - DECEMBER 2024)

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 6D
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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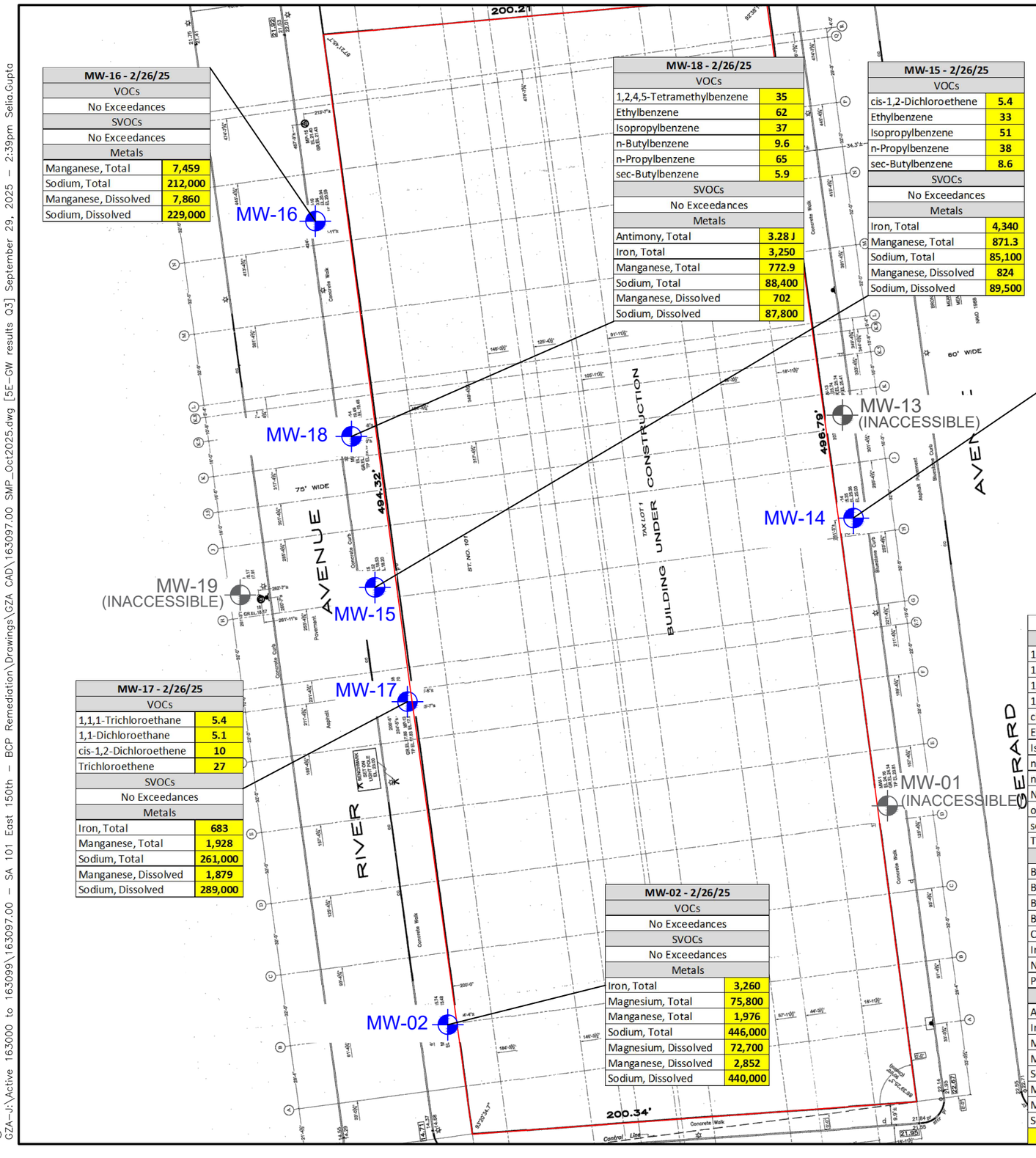
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 SMP_Oct2025.dwg [5D–GW results Q2] September 29, 2025 – 2:39pm Selia.Gupta



MW-16 - 2/26/25	
VOCs	
No Exceedances	
SVOCs	
No Exceedances	
Metals	
Manganese, Total	7,459
Sodium, Total	212,000
Manganese, Dissolved	7,860
Sodium, Dissolved	229,000

MW-18 - 2/26/25	
VOCs	
1,2,4,5-Tetramethylbenzene	35
Ethylbenzene	62
Isopropylbenzene	37
n-Butylbenzene	9.6
n-Propylbenzene	65
sec-Butylbenzene	5.9
SVOCs	
No Exceedances	
Metals	
Antimony, Total	3.28 J
Iron, Total	3,250
Manganese, Total	772.9
Sodium, Total	88,400
Manganese, Dissolved	702
Sodium, Dissolved	87,800

MW-15 - 2/26/25	
VOCs	
cis-1,2-Dichloroethene	5.4
Ethylbenzene	33
Isopropylbenzene	51
n-Propylbenzene	38
sec-Butylbenzene	8.6
SVOCs	
No Exceedances	
Metals	
Iron, Total	4,340
Manganese, Total	871.3
Sodium, Total	85,100
Manganese, Dissolved	824
Sodium, Dissolved	89,500

MW-14 - 2/27/25	
VOCs	
1,2,4,5-Tetramethylbenzene	80
1,2,4-Trimethylbenzene	500
Ethylbenzene	85
Isopropylbenzene	54
n-Butylbenzene	12
n-Propylbenzene	110
Naphthalene	16
o-Xylene	13
sec-Butylbenzene	14
SVOCs	
Benzo(a)anthracene	0.06
Benzo(a)pyrene	0.05
Benzo(b)fluoranthene	0.06
Benzo(k)fluoranthene	0.04
Chrysene	0.05
Indeno(1,2,3-cd)pyrene	0.07
Naphthalene	14
Phenol	1.4
Metals	
Iron, Total	5,720
Magnesium, Total	39,600
Manganese, Total	1,881
Sodium, Total	195,000
Magnesium, Dissolved	45,900
Manganese, Dissolved	2,653
Sodium, Dissolved	203,000

MW-17 - 2/26/25	
VOCs	
1,1,1-Trichloroethane	5.4
1,1-Dichloroethane	5.1
cis-1,2-Dichloroethene	10
Trichloroethene	27
SVOCs	
No Exceedances	
Metals	
Iron, Total	683
Manganese, Total	1,928
Sodium, Total	261,000
Manganese, Dissolved	1,879
Sodium, Dissolved	289,000

MW-02 - 2/26/25	
VOCs	
No Exceedances	
SVOCs	
No Exceedances	
Metals	
Iron, Total	3,260
Magnesium, Total	75,800
Manganese, Total	1,976
Sodium, Total	446,000
Magnesium, Dissolved	72,700
Manganese, Dissolved	2,852
Sodium, Dissolved	440,000

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE NOT TO SCALE, DATED NO DATE.
2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
4. GZA FIELD PERSONNEL DID NOT SAMPLE, OR WERE UNABLE TO ACCESS MW–01, MW–13, AND MW–19 DUE TO WELLS BEING UNDERNEATH CONSTRUCTION EQUIPMENT.

LEGEND

APPROXIMATE SITE BOUNDARY

MW-01 APPROXIMATE PERMANENT MONITORING WELL LOCATION

	NYSDEC TOGS 1.1.1 AWQS GV
Analyte	Volatile Organic Compounds (ug/L)
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Butylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
sec-Butylbenzene	5
Trichloroethene	5
Analyte	Semivolatile Organic Compounds (ug/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
Naphthalene	10
Phenol	1
Analyte	Metals (ug/L)
Antimony, Total	3
Iron, Total	300
Magnesium, Total	35000
Manganese, Total	300
Sodium, Total	20000
Magnesium, Dissolved	35000
Manganese, Dissolved	300
Sodium, Dissolved	20000

Value exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

0 25 50 100
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER ANALYTICAL RESULTS QUARTER 3 (JANUARY - MARCH 2025)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	6E
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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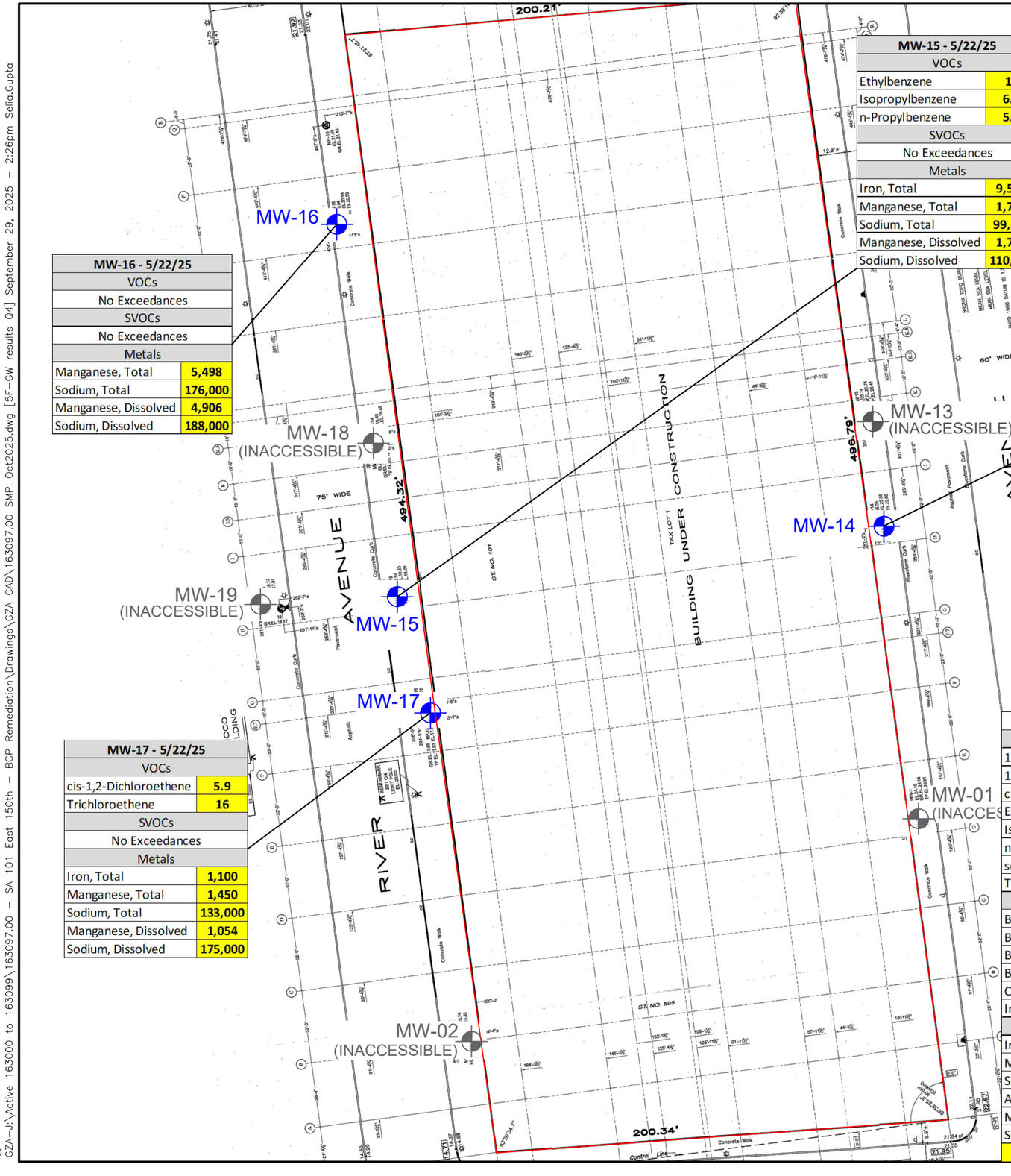
G:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 SMP_Oct2025.dwg [5E–GW results Q3] September 29, 2025 – 2:39pm Selia.Gupta



MW-16 - 5/22/25	
VOCs	
No Exceedances	
SVOCs	
No Exceedances	
Metals	
Manganese, Total	5,498
Sodium, Total	176,000
Manganese, Dissolved	4,906
Sodium, Dissolved	188,000

MW-15 - 5/22/25	
VOCs	
Ethylbenzene	10
Isopropylbenzene	6.8
n-Propylbenzene	5.5
SVOCs	
No Exceedances	
Metals	
Iron, Total	9,500
Manganese, Total	1,734
Sodium, Total	99,400
Manganese, Dissolved	1,754
Sodium, Dissolved	110,000

MW-14 - 5/22/25	
VOCs	
1,2,4,5-Tetramethylbenzene	16
1,2,4-Trimethylbenzene	13
Isopropylbenzene	14
n-Propylbenzene	26
sec-Butylbenzene	5.5
SVOCs	
Benzo(a)anthracene	0.07 J
Benzo(a)pyrene	0.08 J
Benzo(b)fluoranthene	0.09 J
Benzo(k)fluoranthene	0.04 J
Chrysene	0.06 J
Indeno(1,2,3-cd)pyrene	0.05 J
Metals	
Iron, Total	8,130
Manganese, Total	1,469
Sodium, Total	389,000
Antimony, Dissolved	5.35
Manganese, Dissolved	1,451
Sodium, Dissolved	435,000

MW-17 - 5/22/25	
VOCs	
cis-1,2-Dichloroethene	5.9
Trichloroethene	16
SVOCs	
No Exceedances	
Metals	
Iron, Total	1,100
Manganese, Total	1,450
Sodium, Total	133,000
Manganese, Dissolved	1,054
Sodium, Dissolved	175,000

	NYSDEC TOGS 1.1.1 AWQS GV
Analyte	Volatile Organic Compounds (ug/L)
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
cis-1,2-Dichloroethene	5
Ethylbenzene	5
Isopropylbenzene	5
n-Propylbenzene	5
sec-Butylbenzene	5
Trichloroethene	5
Analyte	Semivolatile Organic Compounds (ug/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
Analyte	Metals (ug/L)
Iron, Total	300
Manganese, Total	300
Sodium, Total	20000
Antimony, Dissolved	3
Manganese, Dissolved	300
Sodium, Dissolved	20000

Value exceeds the NYSDEC TOGS 1.1.1 AWQS GV.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE NOT TO SCALE, DATED NO DATE.
2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATUM.
3. SEE LABORATORY REPORTS FOR ADDITIONAL INFORMATION, INCLUDING QUALIFIER DESCRIPTIONS.
4. GZA FIELD PERSONNEL DID NOT SAMPLE, OR WERE UNABLE TO ACCESS MW–01, MW–13, MW–18, AND MW–19 DUE TO WELLS BEING UNDERNEATH CONSTRUCTION EQUIPMENT.

LEGEND

APPROXIMATE SITE BOUNDARY

MW-01 APPROXIMATE PERMANENT MONITORING WELL LOCATION

0 25 50 100
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER ANALYTICAL RESULTS
QUARTER 4 (APRIL-JUNE 2025)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	6F
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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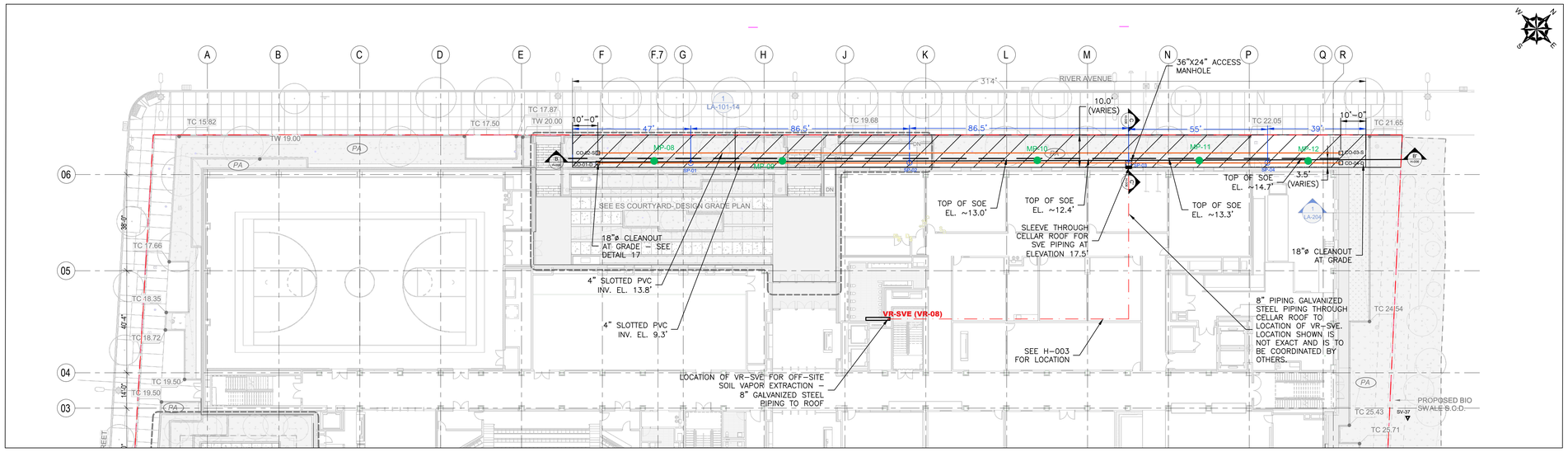
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 SMP_Oct2025.dwg [5F–GW results Q4] September 29, 2025 – 2:26pm Selia.Gupta



SOIL VAPOR EXTRACTION (SVE) SYSTEM PLAN

0 10 20 40
SCALE IN FEET

SVE PLAN GENERAL NOTES

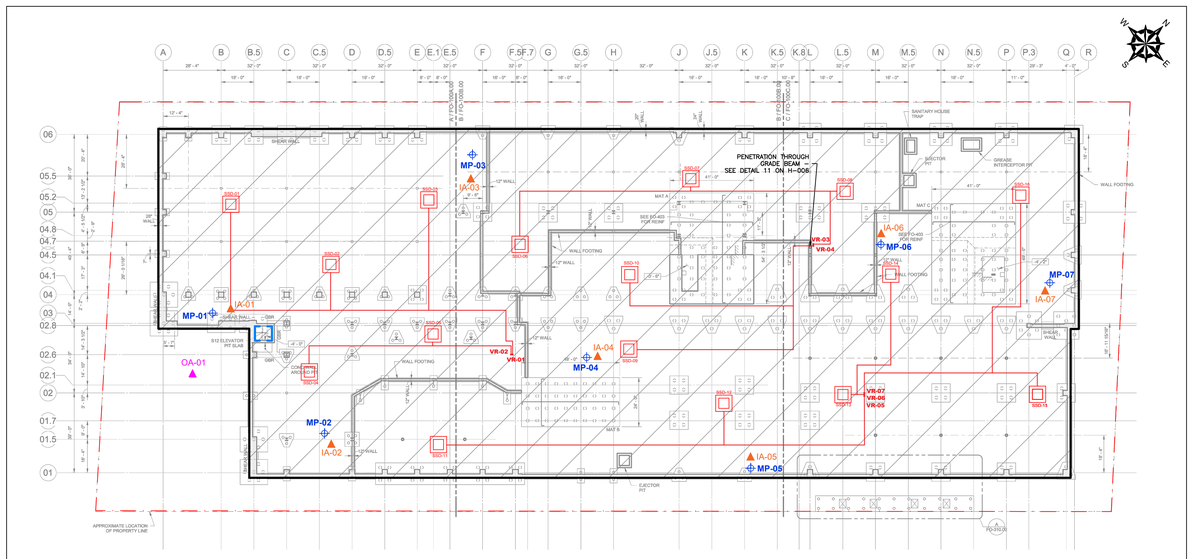
1. BASE MAP DEVELOPED FROM DRAWING "LA-100-3" TITLED "SITE - DESIGN GRADE PLAN", PREPARED BY SKIDMORE, OWINGS & MERRILL LLP., ORIGINAL SCALE $\frac{3}{16}$"=1', DATED MAY 26, 2023.
2. ELEVATIONS RELATED TO THE SOIL VAPOR EXTRACTION SYSTEM ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. ELEVATIONS WERE COLLECTED BASED ON FIELD MEASUREMENTS WITH MEASURING TAPE, AND ARE CONSIDERED APPROXIMATE.

VERTICAL RISER AND CONNECTED SSDS PIT AND SVE SYSTEM TABLE

VERTICAL RISER ID	SUB-SLAB DEPRESSURIZATION PIT ID	BLOWER RISER ID
VR-01	SSD-01, SSD-02, SSD-03	SF-1
VR-02	SSD-04, SSD-05	SF-1
VR-03	SSD-06, SSD-07, SSD-08	SF-1
VR-04	SSD-09, SSD-10	SF-1
VR-05	SSD-11, SSD-12	SF-2
VR-06	SSD-13, SSD-14	SF-2
VR-07	SSD-15, SSD-16	SF-2
VR-SVE (VR-08)	SVE SYSTEM	SF-3

SSDS MONITORING POINT LOCATIONS

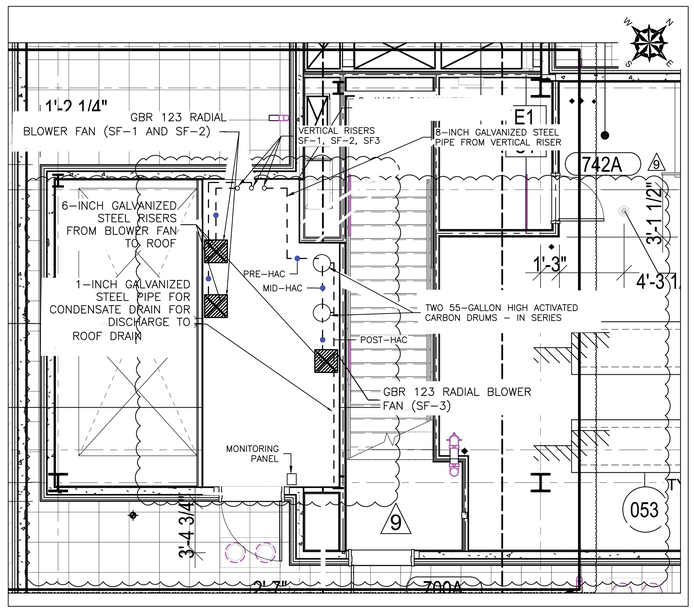
ID	ROOM LOCATION (CELLAR LEVEL)	CORRESPONDING VERTICAL RISER
MP-01	RM 000 - STAIR A	VR-01
MP-02	RM 004A - LOCKER ROOM	VR-02
MP-03	RM 001B - MECHANICAL	VR-03
MP-04	RM 022 - MALE WC	VR-04
MP-05	RM 070B - IT STORAGE	VR-05
MP-06	RM 039C - SCULLERY	VR-06
MP-07	RM 039D - KITCHEN STORAGE	VR-07



A FOUNDATION FLOOR PLAN
1/16" = 1'-0"

SSDS PIT AND VAPOR BARRIER COVERAGE PLAN

0 15 30 60
SCALE IN FEET



ROOFTOP DIAGRAM
N.T.S.

SSDS PLAN GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO-100.00" TITLED "FLOOR PLAN FOUNDATION, PREPARED BY LERA CONSULTING STRUCTURAL ENGINEERS, R.L.L.P., ORIGINAL SCALE $\frac{1}{16}$"=1',, DATED MAY 26, 2023.
2. THE EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE GROUND SHALL BE LINED WITH VAPOR BARRIER.
3. SLOPE HORIZONTAL PIPE A MINIMUM OF 1% UNIFORMLY AWAY FROM THE SUB-SLAB DEPRESSURIZATION SYSTEM VERTICAL RISERS.

SVE PLAN LEGEND

- SITE BOUNDARY
- AREA OF SOIL VAPOR EXTRACTION TREATMENT
- 4" SLOTTED PVC PIPING IN SHALLOW AND DEEP GRAVEL TRENCHES BELOW GRADE
- LOCATION OF SOE WALL (ELEVATION VARIES)
- SP-01 – 4" SOLID PVC RISER PIPE CONNECTING SLOTTED PVC IN DEEP AND SHALLOW TRENCHES
- MP-08 – SOIL VAPOR MONITORING POINT
- VR-SVE – 8-INCH GALVANIZED STEEL RISER WITH CLEANOUT

SSDS PLAN LEGEND

- BUILDING LINE CONSISTING OF A 60-MIL GCP VAPOR BARRIER (WPS-02) APPLIED ON THE EXTERIOR OF FOUNDATION WALL EXTENDING TO GROUND SURFACE
- 60-MIL GCP VAPOR BARRIER (WPS-02) APPLIED ON THE EXTERIOR OF ELEVATOR PIT SIDEWALLS
- HORIZONTAL EXTENT OF SSDS, 46-MIL GCP VAPOR BARRIER (WPS-01), AND 12" GAS PERMEABLE AGGREGATE LAYER
- 4-INCH DIAMETER SOLID SCHEDULE 80 PVC SSDS PIPE BENEATH BUILDING SLAB
- VR-01 – 6-INCH DIAMETER VERTICAL CAST IRON RISER PIPE EXTENDS THROUGH CELLAR SLAB
- SSD-01 – SSDS PIT LOCATION
- MP-01 – SUB-SLAB MONITORING POINT
- IA-01 – INDOOR AIR SAMPLE LOCATION
- OA-01 – OUTDOOR AIR SAMPLE LOCATION
- SITE BOUNDARY

ROOFTOP DIAGRAM LEGEND

- 55-GALLON HIGH ACTIVATED CARBON DRUMS
- MONITORING POINTS / SAMPLING PORTS
- GBR 123 RADIAL BLOWER FAN WITH 6-INCH GALVANIZED STEEL RISERS FROM BLOWER FAN TO ROOF
- STACK LOCATION
- 1-INCH GALVANIZED STEEL PIPE

NO.	ISSUE/DESCRIPTION	BY	DATE

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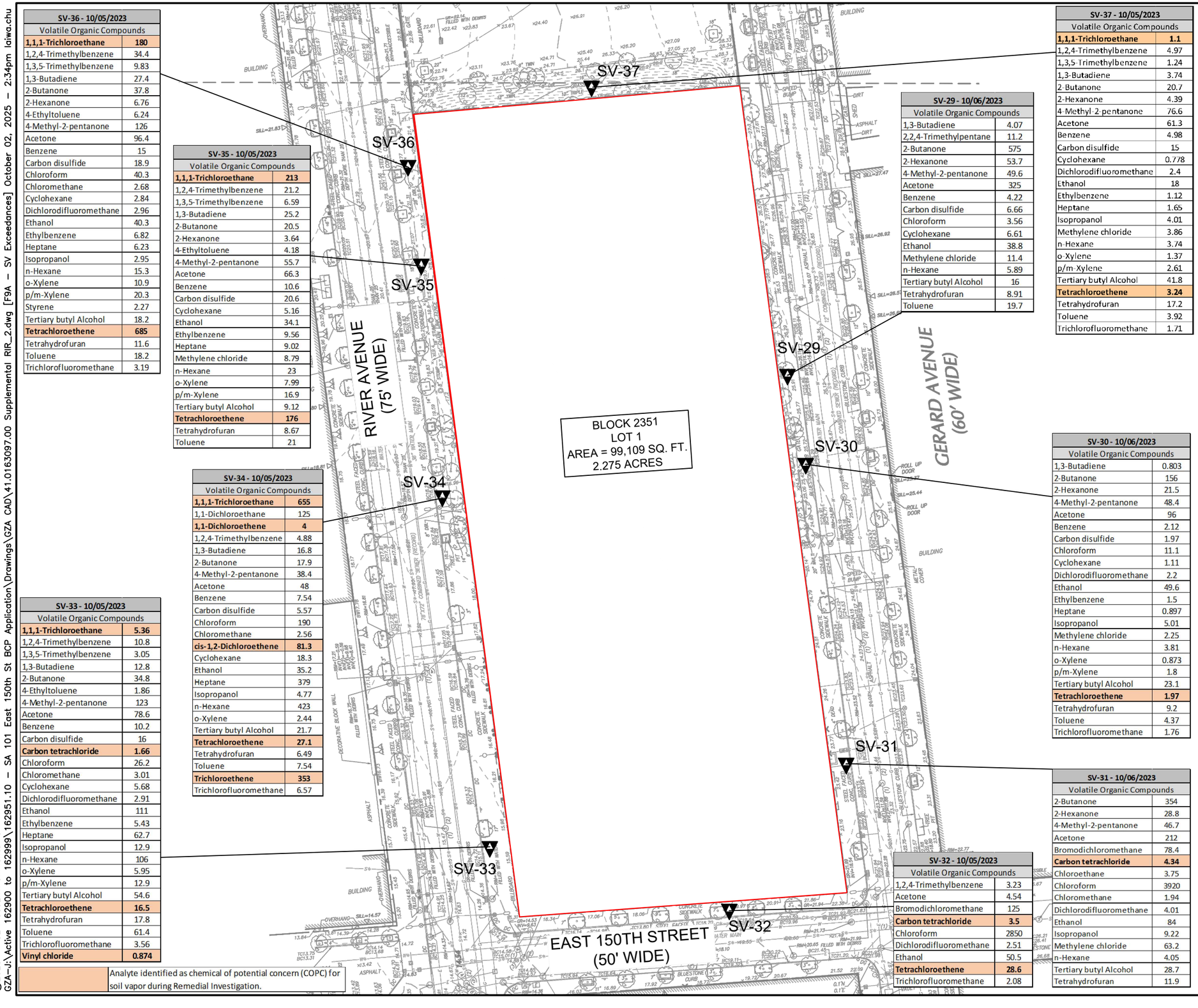
101 EAST 150TH STREET
BRONX, NEW YORK 10451

POST-REMEDIATION
SOIL VAPOR INTRUSION SAMPLE LOCATIONS

STATE OF NEW YORK – STEPHEN M. KOZ – LICENSED PROFESSIONAL ENGINEER – 080431

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 7
DESIGNED BY: SG	DRAWN BY: SG	SCALE: SEE SCALE	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

© 2025 – GZA GeoEnvironmental of NY GZA-VJ\Active 163000 to 163099\163097.00 - 5A 101 East 150th - RAP Remediation\Drawings\GZA CAD\163097.00 ITA_Dec2025_SS.dwg [7-SVI SLM-42x30] December 10, 2025 – 5:17pm Sara.Guido



SV-36 - 10/05/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	**180**
1,2,4-Trimethylbenzene	34.4
1,3,5-Trimethylbenzene	9.83
1,3-Butadiene	27.4
2-Butanone	37.8
2-Hexanone	6.76
4-Ethyltoluene	6.24
4-Methyl-2-pentanone	126
Acetone	96.4
Benzene	15
Carbon disulfide	18.9
Chloroform	40.3
Chloromethane	2.68
Cyclohexane	2.84
Dichlorodifluoromethane	2.96
Ethanol	40.3
Ethylbenzene	6.82
Heptane	6.23
Isopropanol	2.95
n-Hexane	15.3
o-Xylene	10.9
p/m-Xylene	20.3
Styrene	2.27
Tertiary butyl Alcohol	18.2
Tetrachloroethene	**685**
Tetrahydrofuran	11.6
Toluene	18.2
Trichlorofluoromethane	3.19

SV-35 - 10/05/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	**213**
1,2,4-Trimethylbenzene	21.2
1,3,5-Trimethylbenzene	6.59
1,3-Butadiene	25.2
2-Butanone	20.5
2-Hexanone	3.64
4-Ethyltoluene	4.18
4-Methyl-2-pentanone	55.7
Acetone	66.3
Benzene	10.6
Carbon disulfide	20.6
Cyclohexane	5.16
Ethanol	34.1
Ethylbenzene	9.56
Heptane	9.02
Methylene chloride	8.79
n-Hexane	23
o-Xylene	7.99
p/m-Xylene	16.9
Tertiary butyl Alcohol	9.12
Tetrachloroethene	**176**
Tetrahydrofuran	8.67
Toluene	21

SV-34 - 10/05/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	**655**
1,1-Dichloroethane	125
1,1-Dichloroethene	**4**
1,2,4-Trimethylbenzene	4.88
1,3-Butadiene	16.8
2-Butanone	17.9
4-Methyl-2-pentanone	38.4
Acetone	48
Benzene	7.54
Carbon disulfide	5.57
Chloroform	190
Chloromethane	2.56
cis-1,2-Dichloroethene	**81.3**
Cyclohexane	18.3
Ethanol	35.2
Heptane	379
Isopropanol	4.77
n-Hexane	423
o-Xylene	2.44
Tertiary butyl Alcohol	21.7
Tetrachloroethene	**27.1**
Tetrahydrofuran	6.49
Toluene	7.54
Trichloroethene	**353**
Trichlorofluoromethane	6.57

SV-33 - 10/05/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	**5.36**
1,2,4-Trimethylbenzene	10.8
1,3,5-Trimethylbenzene	3.05
1,3-Butadiene	12.8
2-Butanone	34.8
4-Ethyltoluene	1.86
4-Methyl-2-pentanone	123
Acetone	78.6
Benzene	10.2
Carbon disulfide	16
Carbon tetrachloride	**1.66**
Chloroform	26.2
Chloromethane	3.01
Cyclohexane	5.68
Dichlorodifluoromethane	2.91
Ethanol	111
Ethylbenzene	5.43
Heptane	62.7
Isopropanol	12.9
n-Hexane	106
o-Xylene	5.95
p/m-Xylene	12.9
Tertiary butyl Alcohol	54.6
Tetrachloroethene	**16.5**
Tetrahydrofuran	17.8
Toluene	61.4
Trichlorofluoromethane	3.56
Vinyl chloride	**0.874**

Analyte identified as chemical of potential concern (COPC) for soil vapor during Remedial Investigation.

SV-37 - 10/05/2023	
Volatile Organic Compounds	
1,1,1-Trichloroethane	**1.1**
1,2,4-Trimethylbenzene	4.97
1,3,5-Trimethylbenzene	1.24
1,3-Butadiene	3.74
2-Butanone	20.7
2-Hexanone	4.39
4-Methyl-2-pentanone	76.6
Acetone	61.3
Benzene	4.98
Carbon disulfide	15
Cyclohexane	0.778
Dichlorodifluoromethane	2.4
Ethanol	18
Ethylbenzene	1.12
Heptane	1.65
Isopropanol	4.01
Methylene chloride	3.86
n-Hexane	3.74
o-Xylene	1.37
p/m-Xylene	2.61
Tertiary butyl Alcohol	41.8
Tetrachloroethene	**3.24**
Tetrahydrofuran	17.2
Toluene	3.92
Trichlorofluoromethane	1.71

SV-29 - 10/06/2023	
Volatile Organic Compounds	
1,3-Butadiene	4.07
2,2,4-Trimethylpentane	11.2
2-Butanone	575
2-Hexanone	53.7
4-Methyl-2-pentanone	49.6
Acetone	325
Benzene	4.22
Carbon disulfide	6.66
Chloroform	3.56
Cyclohexane	6.61
Ethanol	38.8
Methylene chloride	11.4
n-Hexane	5.89
Tertiary butyl Alcohol	16
Tetrahydrofuran	8.91
Toluene	19.7

SV-30 - 10/06/2023	
Volatile Organic Compounds	
1,3-Butadiene	0.803
2-Butanone	156
2-Hexanone	21.5
4-Methyl-2-pentanone	48.4
Acetone	96
Benzene	2.12
Carbon disulfide	1.97
Chloroform	11.1
Cyclohexane	1.11
Dichlorodifluoromethane	2.2
Ethanol	49.6
Ethylbenzene	1.5
Heptane	0.897
Isopropanol	5.01
Methylene chloride	2.25
n-Hexane	3.81
o-Xylene	0.873
p/m-Xylene	1.8
Tertiary butyl Alcohol	23.1
Tetrachloroethene	**1.97**
Tetrahydrofuran	9.2
Toluene	4.37
Trichlorofluoromethane	1.76

SV-31 - 10/06/2023	
Volatile Organic Compounds	
2-Butanone	354
2-Hexanone	28.8
4-Methyl-2-pentanone	46.7
Acetone	212
Bromodichloromethane	78.4
Carbon tetrachloride	**4.34**
Chloroethane	3.75
Chloroform	3920
Chloromethane	1.94
Dichlorodifluoromethane	4.01
Ethanol	84
Isopropanol	9.22
Methylene chloride	63.2
n-Hexane	4.05
Tertiary butyl Alcohol	28.7
Tetrahydrofuran	11.9

SV-32 - 10/05/2023	
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	3.23
Acetone	4.54
Bromodichloromethane	125
Carbon tetrachloride	**3.5**
Chloroform	2850
Dichlorodifluoromethane	2.51
Ethanol	50.5
Tetrachloroethene	**28.6**
Trichlorofluoromethane	2.08

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"–30', DATED 06–20–2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATION LOCATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. ALL UNITS ARE IN MICROGRAMS PER CUBIC METER ($\mu G/M^3$). SAMPLING DATES ARE SHOWN NEXT TO THE SAMPLE ID IN MM/DD/YYYY FORMAT.
5. ONLY ANALYTES WITH CONCENTRATIONS ABOVE THE LABORATORY REPORTING LIMIT ARE SHOWN ON THIS FIGURE. FOR FULL ANALYTICAL RESULTS, SEE TABLES WITHIN REPORT.

LEGEND

APPROXIMATE SITE BOUNDARY

SV-33 APPROXIMATE SOIL VAPOR SAMPLE LOCATION

N E S W

0 30 60 120

SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SOIL VAPOR ANALYTICAL DATA SUMMARY OFF-SITE RI 2023

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	7A
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 Supplemental RIR_2.dwg [F9A – SV Exceedances] October 02, 2025 – 2:34pm laiwa.chu

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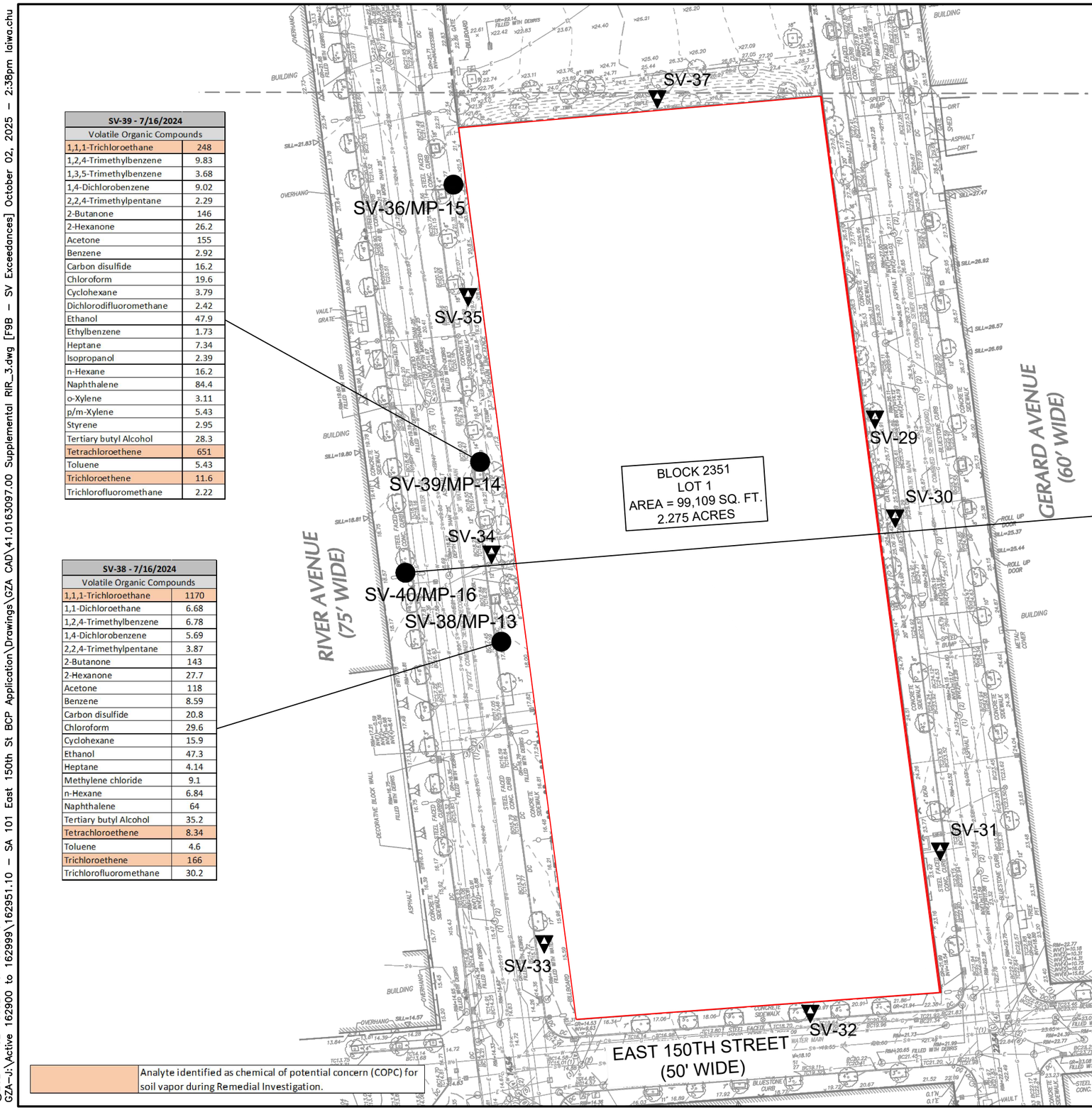
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 Supplemental RIR_3.dwg [F9B – SV Exceedances] October 02, 2025 – 2:38pm laiwa.chu



SV-39 - 7/16/2024	
Volatile Organic Compounds	
1,1,1-Trichloroethane	248
1,2,4-Trimethylbenzene	9.83
1,3,5-Trimethylbenzene	3.68
1,4-Dichlorobenzene	9.02
2,2,4-Trimethylpentane	2.29
2-Butanone	146
2-Hexanone	26.2
Acetone	155
Benzene	2.92
Carbon disulfide	16.2
Chloroform	19.6
Cyclohexane	3.79
Dichlorodifluoromethane	2.42
Ethanol	47.9
Ethylbenzene	1.73
Heptane	7.34
Isopropanol	2.39
n-Hexane	16.2
Naphthalene	84.4
o-Xylene	3.11
p/m-Xylene	5.43
Styrene	2.95
Tertiary butyl Alcohol	28.3
Tetrachloroethene	651
Toluene	5.43
Trichloroethene	11.6
Trichlorofluoromethane	2.22

SV-38 - 7/16/2024	
Volatile Organic Compounds	
1,1,1-Trichloroethane	1170
1,1-Dichloroethane	6.68
1,2,4-Trimethylbenzene	6.78
1,4-Dichlorobenzene	5.69
2,2,4-Trimethylpentane	3.87
2-Butanone	143
2-Hexanone	27.7
Acetone	118
Benzene	8.59
Carbon disulfide	20.8
Chloroform	29.6
Cyclohexane	15.9
Ethanol	47.3
Heptane	4.14
Methylene chloride	9.1
n-Hexane	6.84
Naphthalene	64
Tertiary butyl Alcohol	35.2
Tetrachloroethene	8.34
Toluene	4.6
Trichloroethene	166
Trichlorofluoromethane	30.2

SV-40 - 9/17/2024	
Volatile Organic Compounds	
1,1,1-Trichloroethane	3.04
1,1-Dichloroethene	7.02
1,2-Dichloroethane	5.71
1,3,5-Trimethylbenzene	2.18
1,3-Butadiene	28.1
1,3-Dichlorobenzene	6.13
1,4-Dichlorobenzene	10.6
2-Butanone	51.9
4-Ethyltoluene	3.81
4-Methyl-2-pentanone	5.57
Acetone	110
Benzene	29.5
Carbon disulfide	35.8
Chloroform	21.5
Chloromethane	1.6
cis-1,2-Dichloroethene	288
Cyclohexane	12.7
Dichlorodifluoromethane	2.4
Ethanol	411
Ethylbenzene	4.11
Heptane	35.1
Isopropanol	3.91
n-Hexane	101
Naphthalene	3.27
o-Xylene	5.39
p/m-Xylene	14.4
Tertiary butyl Alcohol	24.5
Tetrachloroethene	909
Toluene	19.1
trans-1,2-Dichloroethene	6.26
Trichloroethene	206
Vinyl chloride	25.4

Analyte identified as chemical of potential concern (COPC) for soil vapor during Remedial Investigation.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"–30', DATED 06–20–2020.
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5. ONLY ANALYTES WITH CONCENTRATIONS ABOVE THE LABORATORY REPORTING LIMIT ARE SHOWN ON THIS FIGURE. FOR FULL ANALYTICAL RESULTS, SEE TABLES WITHIN REPORT.

LEGEND

- APPROXIMATE SITE BOUNDARY
- SV-33 — APPROXIMATE SOIL VAPOR SAMPLE LOCATION
- SV-36/MP-15 — APPROXIMATE LOCATION OF PERMANENT SOIL VAPOR MONITORING POINT

N E S W

0 30 60 120
SCALE IN FEET

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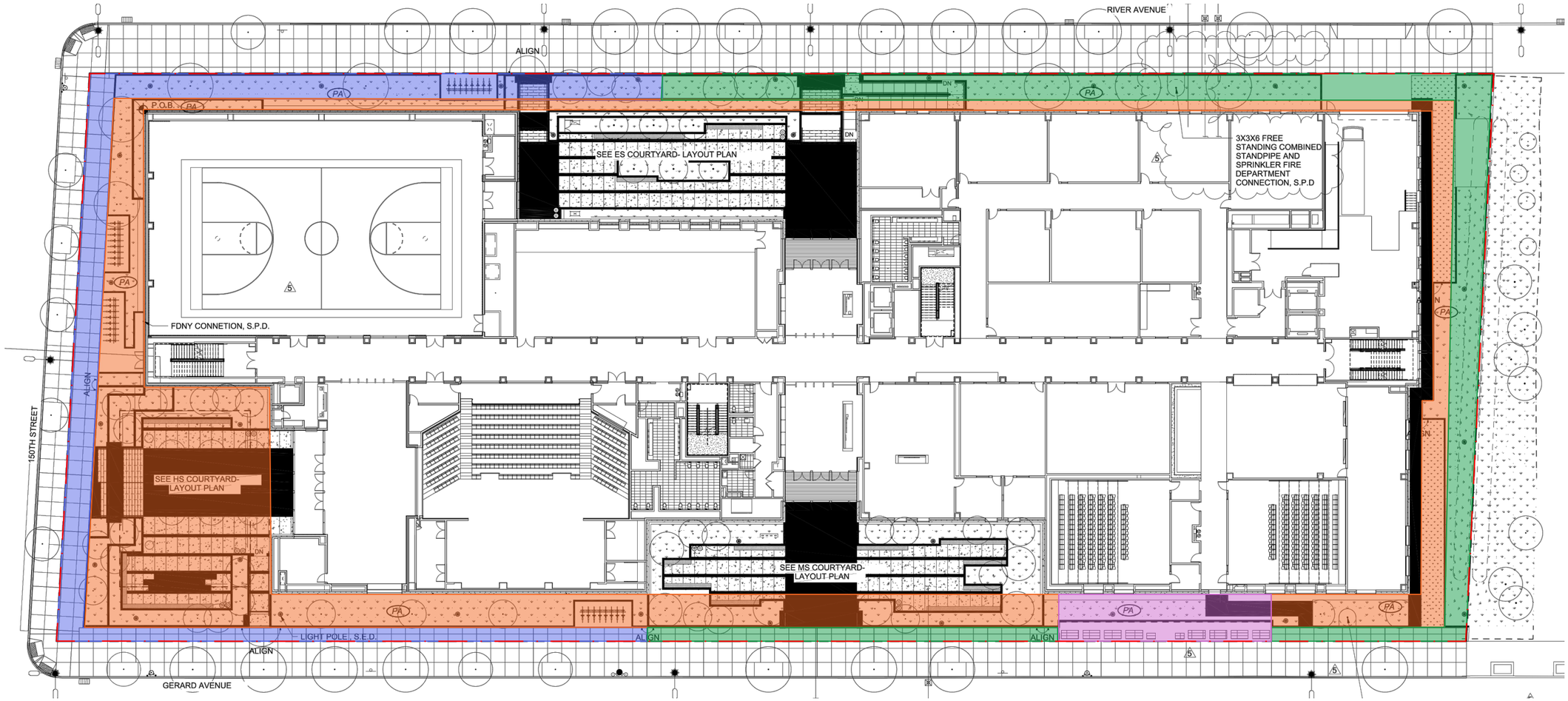
101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SOIL VAPOR ANALYTICAL DATA SUMMARY OFF-SITE RI / SVE PILOT WP 2024

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE 7B
DESIGNED BY: RPM	DRAWN BY: LWC	SCALE: 1"=60'	
DATE: OCTOBER 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "LA-100-1" TITLED "SITE - LAYOUT PLAN", PREPARED BY SKIDMORE, OWINGS & MERRILL LLP, ORIGINAL SCALE $\frac{1}{16}$"=1', DATED OCTOBER 14, 2025.

LEGEND

- BCP SITE / INSTITUTIONAL CONTROL BOUNDARY
- DEMARCATION LAYER PLACED AT EL. 9'
- DEMARCATION LAYER PLACED ON TOP OF EXISTING SLOPED BERM FROM EL. 11' TO 2' BELOW FINAL GRADE
- DEMARCATION LAYER PLACED AT EL. 12'
- DEMARCATION LAYER PLACED ON TOP OF SOE BERM VARIES FROM EL. 12' TO 2' BELOW FINAL GRADE
- BUILDING SLAB DEMARCATION IS NON-WOVEN GEOTEXTILE BELOW SSDS GAS PERMEABLE AGGREGATE

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STATE OF NEW YORK
STEPHEN M. KLIME
LICENSED PROFESSIONAL ENGINEER
NO. 080431

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

DEMARCATION LAYER PLAN

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 40'	8
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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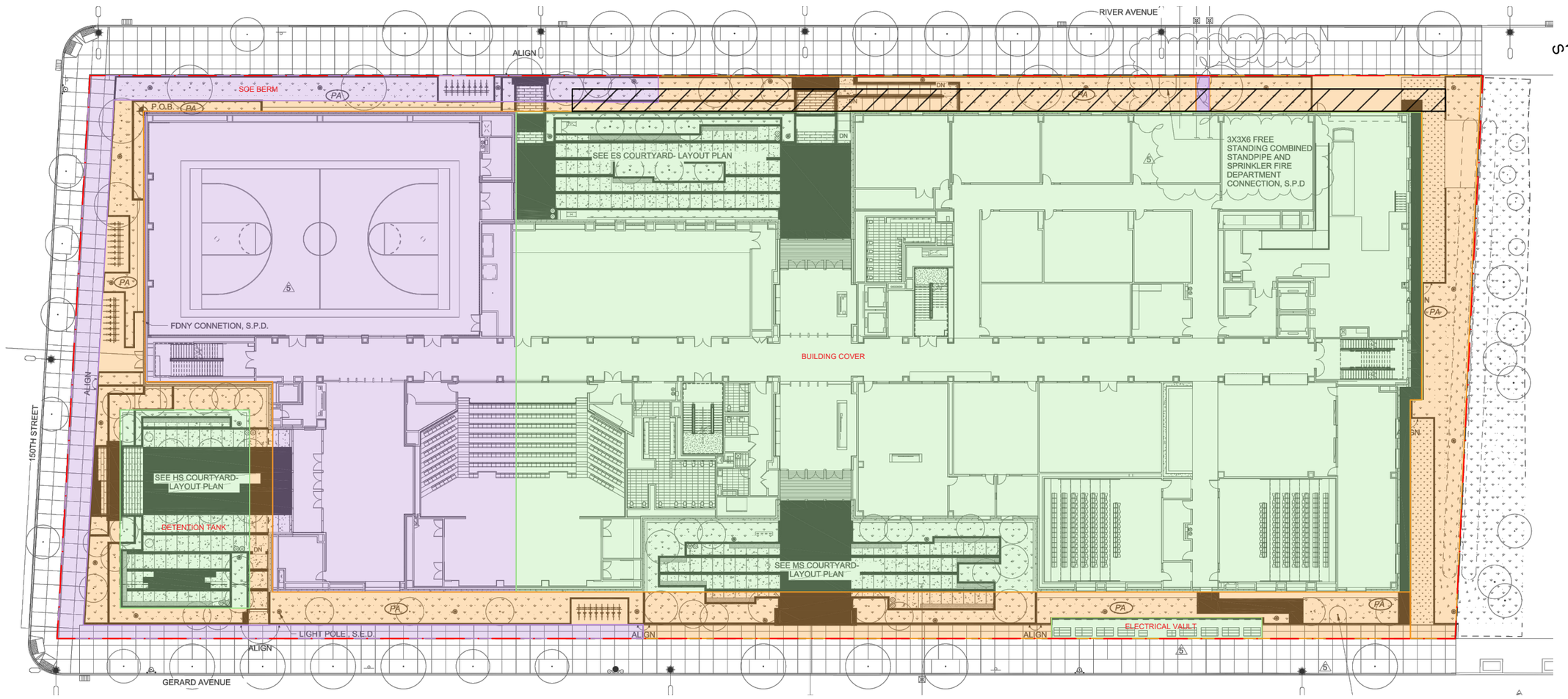
GZA-J:\Active 163000 to 163099\163097.00 - SA 101 East 150th - BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [8-Demarcation-17x11] December 15, 2025 - 3:52pm Selia.Gupta



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "LA–100–1" TITLED "SITE – LAYOUT PLAN", PREPARED BY SKIDMORE, OWINGS & MERRILL LLP, ORIGINAL SCALE $\frac{1}{16}$"=1', DATED OCTOBER 14, 2025.

LEGEND

- BCP SITE / INSTITUTIONAL CONTROL BOUNDARY
- BACKFILLED WITH PIPE SAND ABOVE SUBGRADE FROM WEEKS MARINE AND TOPPED WITH AGGREGATE FROM TILCON, NY
- BACKFILLED WITH REUSE MATERIAL, APPROVED APRIL 2024 AND OCTOBER 2025, TOPPED WITH 12 TO 24 INCHES OF $\frac{3}{4}$" STONE/CONCRETE AGGREGATES (FROM TILCON, NY/WANTAGE STONE QUARRY/P PARK/FAZTEC/ALLOCO RECYCLING)
- BACKFILLED WITH $\frac{3}{4}$" STONE/CONCRETE AGGREGATES (FROM WANTAGE STONE QUARRY/P PARK/FAZTEC)
- SVE TRENCH BACKFILLED WITH $\frac{3}{4}$" STONE FROM WANTAGE STONE QUARRY

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

STATE OF NEW YORK
STEPHEN M. KLIME
LICENSED PROFESSIONAL ENGINEER
NO. 080431

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

BACKFILL PLACEMENT PLAN

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE 9
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 40'	
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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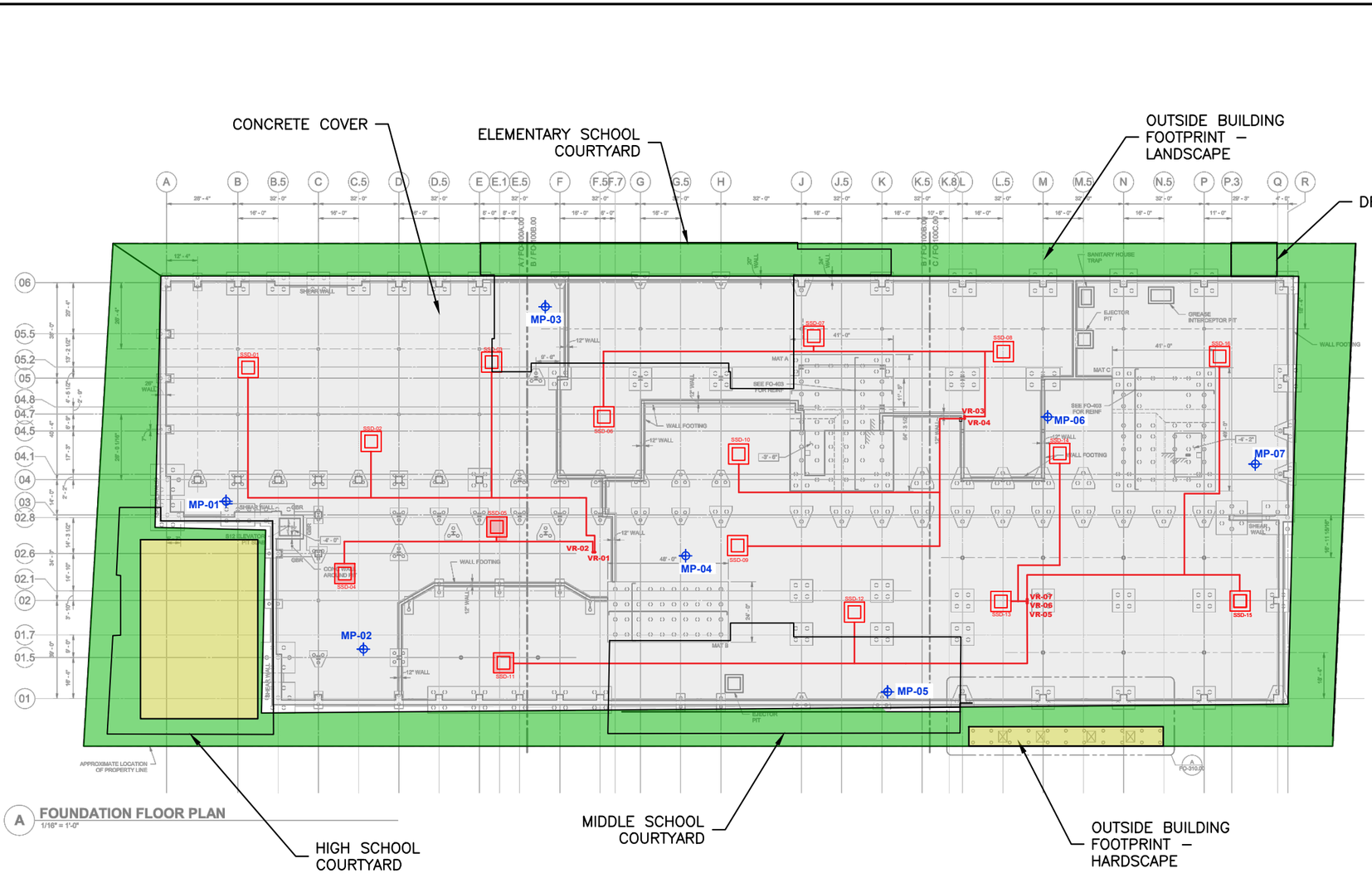
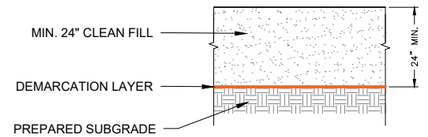
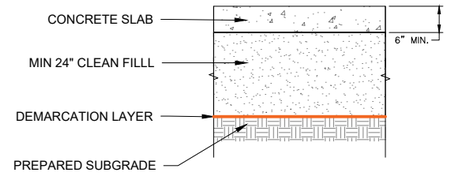
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [9–Backfill–17x11] December 15, 2025 – 4:22pm Selia.Gupta



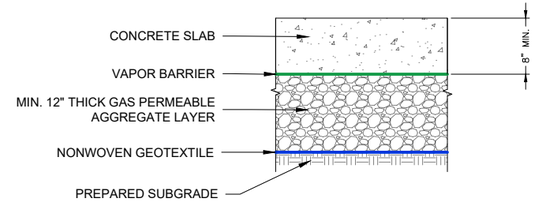
A FOUNDATION FLOOR PLAN
1/16" = 1'-0"



1 TYPICAL LANDSCAPE SECTION
N.T.S.



2 TYPICAL HARDSCAPE SECTION
N.T.S.



3 TYPICAL BUILDING CONCRETE COVER THROUGH SUB-SLAB
N.T.S.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO–100.00" TITLED "FLOOR PLAN FOUNDATION", PREPARED BY LERA CONSULTING STRUCTURAL ENGINEERS, R.L.L.P., ORIGINAL SCALE $\frac{1}{16}$"=1', DATED MAY 26, 2023
2. HARDSCAPE AND LANDSCAPE LAYOUT FROM DRAWING "LA–100–1" TITLED "SITE LAYOUT PLAN" PREPARED BY SKIDMORE, OWINGS & MERRELL LLP, ORIGINAL SCALE $\frac{1}{16}$"=1', DATED JULY 11, 2025.
3. CONCRETE HARDSCAPE COURTYARDS WILL BE CONSTRUCTED ABOVE THE FINAL SITE COVER AND WILL NOT PENETRATE THE DEMARCATION LAYER.
4. FINAL LANDSCAPING WILL BE INSTALLED ABOVE THE FINAL SITE COVER AND WILL NOT PENETRATE THE DEMARCATION LAYER.
5. ASPHALT DRIVEWAY WILL BE INSTALLED ABOVE THE FINAL SITE COVER AND WILL NOT PENETRATE THE DEMARCATION LAYER.

LEGEND

- OUTSIDE BUILDING FOOTPRINT – LANDSCAPED AREA (SEE DETAIL 1)
- OUTSIDE BUILDING FOOTPRINT – HARDSCAPE AREA (SEE DETAIL 2)
- BUILDING COVER (SEE DETAIL 3)

0 25 50 100
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

STATE OF NEW YORK · STEPHEN M. KLINE · LICENSED PROFESSIONAL ENGINEER · NO. 080431

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

FINAL SITE COVER

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: RM	CHECKED BY: SK	FIGURE
DESIGNED BY: SG	DRAWN BY: SG	SCALE: 1" = 50'	10
DATE: DEC. 2025	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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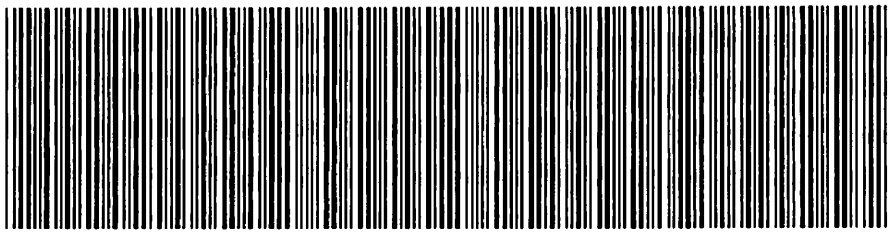
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Drawings\GZA CAD\163097.00 FER_Dec2025_SG.dwg [10–Cover–17x11] December 15, 2025 – 5:06pm Selia.Gupta

APPENDIX A – ENVIRONMENTAL EASEMENT

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



2025102300443001002EAB00

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 11**

Document ID: 2025102300443001 Document Date: 05-09-2025 Preparation Date: 10-28-2025
Document Type: EASEMENT
Document Page Count: 10

PRESENTER:
NEWMARK TITLE SERVICES LLC
1700 POST OAK BLVD SUITE 250
NTS-501645-CTSY-BX
HOUSTON, TX 77056
646-561-4742
RECORDINGS@NMRK.COM

RETURN TO:
BRYAN CAVE LEIGHTON PAISNER LLP
1290 AVENUE OF AMERICAS
NEW YORK, NY 10104

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BRONX	2354	1	Entire Lot	580 RIVER AVENUE

Property Type: COMMERCIAL REAL ESTATE

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
586 RIVER AVE., LLC
95 PINE STREET, FLOOR 6
NEW YORK, NY 10005

GRANTEE/BUYER:
PEOPLE OF THE STATE OF NEW YORK THROUGH
THE COMMISSIONER OF NYSDEC,, 625 BROADWAY
ALBANY, NY 12233

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	87.00
Affidavit Fee:	$	0.00

Filing Fee: $ 100.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 10-28-2025 14:42
City Register File No.(CRFN): **2025000293551**

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made AS OF this 8th day of October, 2025, between Owner, 586 River Ave., LLC, having an office at 95 Pine Street, 6th Floor, New York, County and State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 101 E. 150th Street a/k/a 580-586 River Avenue, Bronx in the City of New York, County of Bronx and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 2354 Lot 1, being the same as that property conveyed to Grantor by deed dated December 29, 2021 and recorded in the City Register of the City of New York in City Register File No. 2022000033336. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.275 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 14, 2025 prepared by Timothy O'Connor, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C203154-05-23, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining

contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against

the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C203154
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the

recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

586 River Ave., LLC:

By: _____

Print Name: Nathaniel Katz

Title: CFO Date: 9/25/25

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NEW YORK)

On the 25th day of September, in the year 2025 before me, the undersigned, personally appeared Nathaniel Katz, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

BONNIE J KALOS
Notary Public, State of New York
Reg. No. 02KA6435678
Qualified in New York County
Commission Expires 06/27/2026

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____

Janet Brown, Assistant Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 8th day of October, in the year 2025 before me, the undersigned, personally appeared Janet Brown, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public / State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement and Deed Description:

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH AND COUNTY OF THE BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE CORNER FORMED BY THE INTERSECTION OF THE NORTHERLY SIDE OF EAST 150TH STREET AND THE WESTERLY SIDE OF GERARD AVENUE;

RUNNING THENCE NORTHERLY ALONG THE SAID WESTERLY SIDE OF GERARD AVENUE, 496.79 FEET TO LAND OF OTHER PARTIES;

THENCE WESTERLY AND ALONG THE SOUTHERLY BOUNDARY LINES OF LANDS OF OTHER PARTIES, 200.21 FEET TO THE EASTERLY SIDE OF RIVER AVENUE;

THENCE SOUTHERLY AND ALONG THE EASTERLY SIDE OF RIVER AVENUE, 494.31 FEET TO THE NORTHERLY SIDE OF EAST 150TH STREET;

THENCE EASTERLY ALONG THE NORTHERLY SIDE OF EAST 150TH STREET, 200.34 FEET TO THE POINT OR PLACE OF BEGINNING.

BCLP
Bryan Cave Leighton Paisner

October 29, 2025

Philip E. Karmel
212 541 2311
philip.karmel@bclplaw.com

BRYAN CAVE LEIGHTON PAISNER LLP
1290 Avenue of the Americas
New York NY 10104 3300
T: +1 212 541 2000
F: +1 212 541 4630
bclplaw.com

The City Clerk
City of New York
141 Worth Street,
New York, NY 10013

Re: Notice of Environmental Easement placed on property located at 101 E. 150th Street, Bronx (Block 2354, Lot 1) (the "Subject Property")

Dear City Clerk:

This law firm represents 586 River Ave., LLC, which is the owner of the Subject Property. The Subject Property is the subject of a Brownfield Cleanup Agreement with the New York State Department of Environmental Conservation ("NYSDEC") and is designated as NYSDEC Site #C203154.

Enclosed is a copy of an Environmental Easement with respect to the Subject Property granted to NYSDEC. The Environmental Easement restricts future use of the above-referenced property to restricted residential use (including a K-12 school). Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan that is incorporated into the Environmental Easement. NYSDEC approval is also required prior to any groundwater use.

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

> 1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
>
> 2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

BCLP.
Bryan Cave Leighton Paisner

An electronic version of every environmental easement that has been accepted by the Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. It is also available on ACRIS at: https://a836-acris.nyc.gov/DS/DocumentSearch/DocumentImageView?doc_id=2025102300443001.

Please forward this notice to your building and/or planning departments, as applicable, to ensure the City's compliance with these provisions of New York State Environmental Conservation Law.

If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

Philip E. Karmel

Enc.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument The City Register will rely on the information provided by you on this page for purposes of indexing this instrument The information on this page will control for indexing purposes in the event of any conflict with the rest of the document

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RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 11**

Document ID: 2025102300443001 Document Date: 05-09-2025 Preparation Date: 10-28-2025
Document Type: EASEMENT
Document Page Count: 10

PRESENTER:	**RETURN TO:**
NEWMARK TITLE SERVICES LLC 1700 POST OAK BLVD SUITE 250 NTS-501645-CTSY-BX HOUSTON, TX 77056 646-561-4742 RECORDINGS@NMRK.COM	BRYAN CAVE LEIGHTON PAISNER LLP 1290 AVENUE OF AMERICAS NEW YORK, NY 10104

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BRONX	2354	1	Entire Lot	580 RIVER AVENUE

Property Type: COMMERCIAL REAL ESTATE

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:	**GRANTEE/BUYER:**
586 RIVER AVE., LLC 95 PINE STREET, FLOOR 6 NEW YORK, NY 10005	PEOPLE OF THE STATE OF NEW YORK THROUGH THE COMMISSIONER OF NYSDEC,, 625 BROADWAY ALBANY, NY 12233

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0 00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	87.00
Affidavit Fee.	$	0.00

Filing Fee:	
$	100.00
NYC Real Property Transfer Tax:	
$	0.00
NYS Real Estate Transfer Tax:	
$	0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 10-28-2025 14 42
City Register File No (CRFN): **2025000293551**

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made as of this 8th day of October, 2025 between Owner, 586 River Ave., LLC, having an office at 95 Pine Street, 6th Floor, New York, County and State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 101 E. 150th Street a/k/a 580-586 River Avenue, Bronx in the City of New York, County of Bronx and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 2354 Lot 1, being the same as that property conveyed to Grantor by deed dated December 29, 2021 and recorded in the City Register of the City of New York in City Register File No. 2022000033336. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.275 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 14, 2025 prepared by Timothy O'Connor, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C203154-05-23, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining

contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against

the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:	Site Number: C203154 Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500
With a copy to:	Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the

recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

586 River Ave., LLC:

By: _____

Print Name: Nathaniel Katz

Title: CFO Date: 9/25/25

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NEW YORK)

On the 25th day of September, in the year 2025 before me, the undersigned, personally appeared Nathaniel Katz, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

BONNIE J KALOS
Notary Public, State of New York
Reg. No. 02KA6435678
Qualified in New York County
Commission Expires 06/27/2026

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____

Janet Brown, Assistant Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 8th day of October, in the year 2025 before me, the undersigned, personally appeared Janet Brown, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement and Deed Description:

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH AND COUNTY OF THE BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE CORNER FORMED BY THE INTERSECTION OF THE NORTHERLY SIDE OF EAST 150TH STREET AND THE WESTERLY SIDE OF GERARD AVENUE;

RUNNING THENCE NORTHERLY ALONG THE SAID WESTERLY SIDE OF GERARD AVENUE, 496.79 FEET TO LAND OF OTHER PARTIES;

THENCE WESTERLY AND ALONG THE SOUTHERLY BOUNDARY LINES OF LANDS OF OTHER PARTIES, 200.21 FEET TO THE EASTERLY SIDE OF RIVER AVENUE;

THENCE SOUTHERLY AND ALONG THE EASTERLY SIDE OF RIVER AVENUE, 494.31 FEET TO THE NORTHERLY SIDE OF EAST 150TH STREET;

THENCE EASTERLY ALONG THE NORTHERLY SIDE OF EAST 150TH STREET, 200.34 FEET TO THE POINT OR PLACE OF BEGINNING.

AFFIRMATION OF SERVICE

I, BRIAN PHAM, pursuant to CPLR § 2106, affirm as follows:

1. I am over the age of eighteen years, am not a party herein, and maintain my place of employment in New York County.

2. On October 29, 2025, I mailed a copy of the **NOTICE OF ENVIRONMENTAL EASEMENT** upon the following party, by depositing true copies of same enclosed in a first class postpaid properly addressed wrapper in a post office or an official depository under the exclusive care and custody of the United States Postal:

The City Clerk
City of New York
141 Worth Street
New York, NY 10013

I affirm this 29th day of October 2025, under the penalties of perjury under the laws of New York, which may include a fine or imprisonment, that the foregoing is true, and I understand that this document may be filed in an action or proceeding in a court of law.

BRIAN PHAM

APPENDIX B – NYSDEC BCP DOCUMENTATION AND CORRESPONDENCE

DECISION DOCUMENT

101 East 150th Street
Brownfield Cleanup Program
Bronx, Bronx County
Site No. C203154
May 2025

Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

101 East 150th Street
Brownfield Cleanup Program
Bronx, Bronx County
Site No. C203154
May 2025

Statement of Purpose and Basis

This document presents the remedy for the 101 East 150th Street brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the 101 East 150th Street site and the public's input to the proposed remedy presented by NYSDEC.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent

feasible in the future development at this site, any future on-site buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

As part of the remedial design program, to evaluate the remedy with respect to green and sustainable remediation principles, an environmental footprint analysis will be completed. The environmental footprint analysis will be completed using an accepted environmental footprint analysis calculator such as SEFA (Spreadsheets for Environmental Footprint Analysis, USEPA), SiteWise™ (available in the Sustainable Remediation Forum [SURF] library) or similar NYSDEC accepted tool. Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use will be estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, will be incorporated into the remedial design program, as appropriate. The project design specifications will include detailed requirements to achieve the green and sustainable remediation goals. Further, progress with respect to green and sustainable remediation metrics will be tracked during implementation of the remedial action and reported in the Final Engineering Report (FER), including a comparison to the goals established during the remedial design program.

Additionally, the remedial design program will include a climate change vulnerability assessment, to evaluate the impact of climate change on the project site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress and drought), flooding, and sea level rise will be identified, and the remedial design program will incorporate measures to minimize the impact of climate change on potential identified vulnerabilities.

2. Cover System

A site cover will be required in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs), to allow for future restricted residential use of the site. Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

3. Soil Vapor Extraction (SVE)

Soil vapor extraction (SVE) will be implemented to remove volatile organic compound (VOC) vapors from the subsurface and prevent off-site migration of contaminated vapor. VOCs will be physically removed from the subsurface by applying a vacuum to wells that have been installed

into the vadose zone (the area below the ground but above the water table). The vacuum draws air through the soil matrix which carries the VOC vapors from the soil to the SVE well. The air extracted from the SVE wells is then treated as necessary prior to being discharged to the atmosphere.

SVE wells will be installed into the vadose zone and approximately screened from 3 feet below the ground surface to a depth of approximately 10 feet. The air containing VOCs extracted from the SVE wells will be treated by passing the air stream through activated carbon which removes the VOCs from the air prior to it being discharged to the atmosphere.

Upon system startup, SVE wells will be tested to confirm vacuum influence and effectiveness of the system. Vacuum monitoring points will be installed near the site's western boundary to evaluate SVE effectiveness at preventing off-site migration of contaminated vapors.

4. Vapor Mitigation

Any future on-site buildings will be required to have a sub-slab depressurization system, or other acceptable measures to mitigate the migration of vapors into the building from the subsurface.

5. Institutional Control

Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted-residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYC; and
- require compliance with the NYSDEC approved Site Management Plan.

6. Site Management Plan

A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

- Institutional Controls: The Environmental Easement discussed in Remedy Element 7.
- Engineering Controls: The Cover System, Soil Vapor Extraction (SVE), and Vapor Mitigation Systems discussed in Remedy Elements 2, 3 and 4.

This plan includes, but may not be limited to:

- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

- descriptions of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 3 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and NYSDEC notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

- monitoring of groundwater and soil vapor to assess the performance and effectiveness of the remedy. If necessary, additional groundwater treatment may be implemented; and
- a schedule of monitoring and frequency of submittals to the NYSDEC.

c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:

- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and NYSDEC notification; and
- providing the NYSDEC access to the site and O&M records.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration NYSDEC guidance, as appropriate. The remedy is protective of public health and the environment.

May 28, 2025

Date

Jane H. O'Connell, P.G.
Regional Remediation Engineer

DECISION DOCUMENT

101 East 150th Street
Bronx, Bronx County
Site No. C203154
May 2025

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance, based on the reasonably anticipated use of the property.

NYSDEC has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

NYSDEC seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by NYSDEC in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repositories:

DECInfo Locator - Web Application
https://gisservices.dec.ny.gov/gis/dil/index.html?rs=C203154

Bronx Community Board 4
1650 Selwyn Avenue, Suite 11A
Bronx, NY 10457
Phone: (718) 299-0800

Melrose Library-New York Public Library
910 Morris Avenue
Bronx, NY 10451
Phone: (718) 665-6255

Receive Site Citizen Participation Information By Email

Please note that NYSDEC's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Site Location:
The site is approximately 2.27 acres in area and is located at 101 East 150th Street in the Lower Concourse neighborhood of the Bronx. Alternate addresses for the site include 586 River Avenue, 580 River Avenue and 595 Gerard Avenue. The site is comprised of one New York City tax lot designated as Block 2354, Lot 1 and is bounded to the north by a NYC-owned surface parking lot, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The boundaries of the site correspond to the current tax map boundaries.

Site Features:
Previously, the site was occupied by a 2-story warehouse with cellar that had a footprint of 30,345-square feet on the southern portion of the property. The cellar and first floors were used as a self-storage facility and the second floor was occupied by a public school (PS 723X). The school was operating pursuant to a special permit issued by the BSA in 2004 (BSA Cal. No 05-04-BZ). The northern portion of the property was a parking lot for the building and parking area for buses and delivery trucks. The parking lot occupied approximately 69% of the lot area. All previous structures have been demolished. The site is currently being redeveloped into a charter school.

Current Zoning and Land Use:
The site is zoned M1-2 for light manufacturing use. The site is located in a mixed industrial, commercial, and residential neighborhood. The nearest residential properties are located approximately 50 feet to the south (across East 150th Street) and 150 feet to the east (along Walton Avenue). The proposed development will be a 2,400-student K-12 charter school. A school is a permitted use in the zoning district but requires the issuance of a special permit by the New York City Board of Standards and Appeals.

Past Use of the Site:
Records from 1891 through the early-1900s show the site as athletic fields. By the late-1900s,

the site was used as a lumber storage yard. From the early 1930s until 1950, the site was used as an athletic field/recreational facility with a club house. In 1952, the building formerly occupying the southern portion of the site was constructed. The rest of the property was used as athletic fields and then later converted into a parking area for the building. The building with a cellar first used by a shoe factory as office and warehouse space from ca 1952 to 1981, and an electronic parts manufacturer from approximately 1984 to the 1990s. By 2001, the property was foreclosed, and ownership eventually sold to Gerard Avenue LLC. In 2003, the New York City Department of Buildings granted a change of use of the building's cellar and ground floor from electronic part manufacturing to commercial self-storage use, and the change of use of second floor of the property from office spaces to classrooms and instructional spaces. In 2019, the site was sold to 580 Gerard LLC, which continued the self-storage and school operations at the property. The Applicant purchased the site in December 2021.

Site Geology and Hydrogeology:
According to the 1992 USGS publication Bedrock and Engineering Geologic Maps of Bronx County and Parts of New York and Queens Counties (Baskerville 1992), Bronx County is underlain by high grade metamorphic bedrock consisting of a sequence of Cambrian and Ordovician gneiss, schistose-gneiss, and marble. The bedrock beneath the site is expected to be the Inwood Marble (white calcite-dolomite) interlayered with units of Walloomsac and Manhattan Schists. The eastern portion of the site along Gerard Avenue is at an elevation (EL) +23 to EL +27 feet North American Vertical Datum of 1988 (NAVD88). The topography along River Avenue is lower and ranges between EL +15 and EL +21 feet. The former parking area was cut down from the adjacent street elevations and ranged between EL +8 and EL +12 feet.

The site-specific geology consists of a surface layer of concrete or asphalt ranging from 0.5 ft to 1.0 ft below ground surface (bgs), underlain by a fill layer, which primarily consisted of well-graded sand with varying amounts of gravel, rock, brick, ash, and organic material to a depth of 7 ft bgs. Native soil consists of pre-dominantly well-graded brown sand, interbedded with silt and clay layers. A decomposed rock layer is present below the sand/silt and clay/sand zone, with bedrock encountered at depths of about 40 to 100 feet bgs. The groundwater depth is between 8.9 ft and 9.1 ft bgs. Groundwater flows west towards the Harlem River, which is located approximately 750 feet from the site.

A site location map is attached as Figure 1, and a site layout is attached as Figure 2.

SECTION 4: LAND USE AND PHYSICAL SETTING

NYSDEC may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, an alternative that restricts the use of the site to restricted-residential use (which allows for commercial use and industrial use) as described in Part 375-1.8(g) was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the Remedial Investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

The Applicant under the Brownfield Cleanup Agreement is a Participant. NYSDEC, in consultation with NYSDOH, have determined that the site poses a significant threat to public health and/or the environment. The Applicant has an obligation to address on-site and off-site contamination. Accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess groundwater and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.3.

The analytical data collected on this site includes data for:

- groundwater
- soil
- soil vapor
- indoor air
- sub-slab vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. NYSDEC has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs

for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Results

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

tetrachloroethene (PCE)
trichloroethene (TCE)
1,1,1-trichloroethane
cis-1,2-dichloroethene
1,2,4-trimethylbenzene
naphthalene
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene

The contaminant(s) of concern exceed the applicable SCGs for:

- groundwater
- soil
- soil vapor intrusion

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

The following IRMs have been substantially completed at this site based on conditions observed during the RI. Most of the soil removal activities were completed as IRMs, with the exception of approximately 1000 cubic yards of soil to be excavated around the building perimeter in order to install the SVE system and final site cover.

Excavation and Groundwater Treatment - Northern Portion of Site

The following activities were undertaken as part of an approved IRM Work Plan dated June 2023:

- The existing on-site buildings have been demolished; parking lot cap was removed and materials which could not be beneficially reused on site were taken off-site for proper disposal;
- Hotspot removal in the northern areas of the site with chlorinated and petroleum impacts that exceeded Protection of Groundwater SCOs (PGSCOs) were excavated to approximately 5 and 10 feet below ground surface (bgs);
- In-situ groundwater treatment by direct application of RegenOx® in hotspot areas;

- Soils in the upper two feet of the northern portion of the site which exceed the restricted residential SCOs (RRSCOs) were excavated and transported off-site for disposal;
- Excavation and removal of any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination; and
- Import of clean material that meets the lower of the protection of groundwater or restricted residential SCOs for use as backfill.

Additional GW Treatment, SSDS, & Cover System - Northern Portion

The following activities were undertaken as part of an approved Supplemental IRM Work Plan dated October 2023:

- Additional in-situ groundwater treatment by direct application of RegenOx® in hotspot areas for chlorinated and petroleum VOCs in northern portion of site;
- Installation of SSDS components in the northern portion; and
- Installation of a cover system consisting of the building structures.

Excavation and Groundwater Treatment - Southern Portion of Site

The following activities were undertaken as part of an approved Supplemental Interim Remedial Measures Work Plan Southern Extension, dated January 2024:

- Hotspot removal was performed in the southern areas where chlorinated impacts were identified that exceeded Protection of Groundwater SCOs to approximately 5 and 7 feet below ground surface (bgs);
- In-situ groundwater treatment was performed by direct application of RegenOx® in hotspot areas;
- Soils in the upper two feet of the site which exceed the restricted residential SCOs were excavated and transported off-site for disposal;
- Any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination were removed and transported off-site for disposal;
- SSDS components were installed;
- Clean material that meets the lower of the protection of groundwater or restricted residential SCOs was imported for use as backfill; and
- A cover system consisting of the building structures was installed.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

Nature and Extent of Contamination:

Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and per- and polyfluoroalkyl substances (PFAS). Soil vapor was analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern are VOCs and SVOCs in soil, and VOCs in groundwater and soil vapor.

Soil - Prior to the soil removal IRM, several VOCs were detected in soil exceeding the PGSCO and/or Restricted-Residential SCO (RRSCO), including maximum concentrations of 1,2,4-trimethylebenzene at 560 parts per million, or ppm (PGSCO is 3.6 ppm and RRSCO is 52 ppm), naphthalene at 16 ppm (PGSCO is 12 ppm), trichloroethene (TCE) at 150 ppm (PGSCO is 0.47 ppm and RRSCO is 21 ppm), tetrachloroethene (PCE) at 12 ppm (PGSCO is 1.3 ppm), and cis-1,2-dichloroethene (DCE) at 3.2 ppm (PGSCO is 0.25 ppm). Several SVOCs were detected including maximum concentrations of benzo(a)anthracene at 17 ppm (PGSCO is 1.7 ppm and RRSCO is 1 ppm), benzo(a)pyrene at 13 ppm (RRSCO is 1 ppm), and benzo(b)fluoranthene at 14 ppm (RRSCO is 1 ppm). Perfluorooctanesulfonic acid (PFOS) was detected at a maximum concentration of 0.879 ppb below the protection of groundwater guidance value of 1 ppb and the restricted-residential guidance value of 44 ppb. No metals, PCBs or pesticides were detected at concentrations exceeding the RRSCOs.

Following completion of the soil removal IRMs, confirmation sampling identified only one sampling location above SCOs with 1,2,4-trimethylebenzene detected at a maximum concentration of 5.6 ppm over the PGSCO of 3.6 ppm, but below the RRSCO value of 52 ppm.

Data does not indicate any off-site impacts in soil related to the site.

Groundwater - Prior to the IRMs, several chlorinated VOCs were detected in groundwater monitoring wells at concentrations exceeding the Ambient Water Quality Standards and Guidance Values (AWQSGVs), including maximum concentrations of 1,1,1-trichloroethane at 16 parts per billion, or ppb (AWQSGV of 5 ppb), cis-1,2-DCE at 16 ppb (AWQSGV is 5 ppb), and TCE at 52 ppb (AWQSGV is 5 ppb). Several petroleum VOCs were detected including maximum concentrations of naphthalene at 170 ppb (AWQSGV is 10 ppb), 1,2,4-trimethylebenzene at 360 ppb (AWQSGV is 5 ppb), and ethylbenzene at 84 ppb (AWQSGV is 5 ppb). Petroleum impacts detected in upgradient groundwater monitoring wells are partially attributed to an upgradient off-site source, BCP Site No. C203142, located at 586 Gerard Avenue. SVOCs found included maximum concentrations of benzo(a)anthracene at 0.07 ppb (AWQSGV is 0.002 ppb). Dissolved metals exceeding AWQSGVs include sodium, magnesium, and manganese. These are naturally occurring metals and are not considered to be site-specific contaminants of concern. For pesticides, dieldrin was detected at a maximum concentration of 0.008 ppb (AWQSGV is 0.004 ppb). PFOS was detected at a maximum concentration of 30.9 parts per trillion, or ppt (NYS adopted maximum contaminant level (MCL) for ambient water quality guidance values is 2.7 ppt) and perfluorooctanoic acid (PFOA) at a maximum concentration of 48.1 ppt (AWQSGV is 6.7 ppt). No PCBs were detected exceeding AWQSGVs. Post-IRM treatment groundwater monitoring will be performed during site management.

Data indicates the potential for off-site impacts in groundwater related to the site.

Soil Vapor, Sub-Slab Soil Vapor, and Indoor Air - Several chlorinated VOCs were detected in soil vapor, sub-slab soil vapor, and indoor air samples. 1,1,1-Trichloroethane was detected in soil vapor samples at a maximum concentration of 52,200 micrograms per cubic meter (ug/m3). Cis-1,2-DCE was detected in soil vapor samples at a maximum concentration of 218,000 ug/m3. TCE was detected in soil vapor samples at a maximum concentration of 59,700 ug/m3 and in indoor air samples at a maximum concentration of 0.81 ug/m3. PCE was detected in soil vapor samples at a maximum concentration of 23,300 ug/m3 and in indoor air samples at a maximum concentration of 62.5 ug/m3.

Data indicates the potential for off-site impacts in soil vapor related to the site.

6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure.*

People who enter the site could come into contact with site contaminants in the soil by digging or otherwise disturbing the soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater and soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling indicates actions are needed to address soil vapor intrusion in on-site buildings. Environmental sampling indicates soil vapor intrusion is a potential concern for off-site buildings.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.

- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

SECTION 7: ELEMENTS OF THE SELECTED REMEDY

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 4: Restricted Residential remedy.

The selected remedy is referred to as the Excavation, Soil Vapor Extraction, Vapor Mitigation and Cover System with Site Management remedy.

The elements of the selected remedy, as shown in Figures 3 through 5, are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance

ecological, economic and social goals;

- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

As part of the remedial design program, to evaluate the remedy with respect to green and sustainable remediation principles, an environmental footprint analysis will be completed. The environmental footprint analysis will be completed using an accepted environmental footprint analysis calculator such as SEFA (Spreadsheets for Environmental Footprint Analysis, USEPA), SiteWise™ (available in the Sustainable Remediation Forum [SURF] library) or similar NYSDEC accepted tool. Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use will be estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, will be incorporated into the remedial design program, as appropriate. The project design specifications will include detailed requirements to achieve the green and sustainable remediation goals. Further, progress with respect to green and sustainable remediation metrics will be tracked during implementation of the remedial action and reported in the Final Engineering Report (FER), including a comparison to the goals established during the remedial design program.

Additionally, the remedial design program will include a climate change vulnerability assessment, to evaluate the impact of climate change on the project site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress and drought), flooding, and sea level rise will be identified, and the remedial design program will incorporate measures to minimize the impact of climate change on potential identified vulnerabilities.

2. Cover System

A site cover will be required in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs), to allow for future restricted residential use of the site. Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

3. Soil Vapor Extraction (SVE)

Soil vapor extraction (SVE) will be implemented to remove volatile organic compound (VOC) vapors from the subsurface and prevent off-site migration of contaminated vapor. VOCs will be physically removed from the subsurface by applying a vacuum to wells that have been installed into the vadose zone (the area below the ground but above the water table). The vacuum draws air through the soil matrix which carries the VOC vapors from the soil to the SVE well. The air extracted from the SVE wells is then treated as necessary prior to being discharged to the atmosphere.

SVE wells will be installed into the vadose zone and approximately screened from 3 feet below the ground surface to a depth of approximately 10 feet. The air containing VOCs extracted from the SVE wells will be treated by passing the air stream through activated carbon which removes the VOCs from the air prior to it being discharged to the atmosphere.

Upon system startup, SVE wells will be tested to confirm vacuum influence and effectiveness of the system. Vacuum monitoring points will be installed near the site's western boundary to evaluate SVE effectiveness at preventing off-site migration of contaminated vapors.

4. Vapor Mitigation

Any future on-site buildings will be required to have a sub-slab depressurization system, or other acceptable measures to mitigate the migration of vapors into the building from the subsurface.

5. Institutional Control

Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted-residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYC; and
- require compliance with the NYSDEC approved Site Management Plan.

6. Site Management Plan

A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

- Institutional Controls: The Environmental Easement discussed in Remedy Element 7.
- Engineering Controls: The Cover System, Soil Vapor Extraction, and Vapor Mitigation

Systems discussed in Remedy Elements 2, 3 and 4.

This plan includes, but may not be limited to:

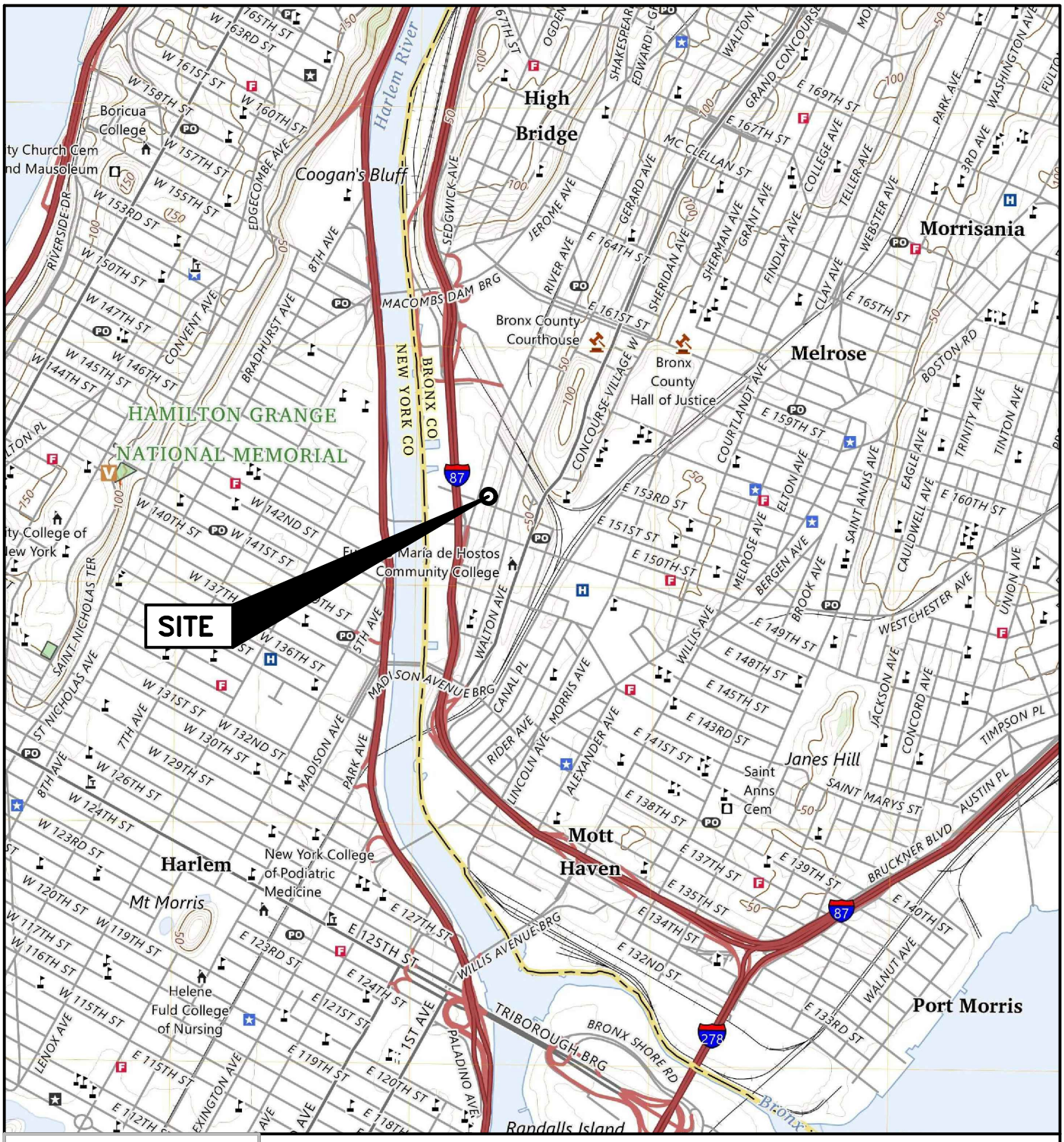
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 3 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and NYSDEC notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

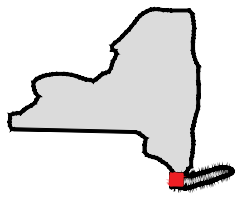
- monitoring of groundwater and soil vapor to assess the performance and effectiveness of the remedy; if necessary, additional groundwater treatment may be implemented; and
- a schedule of monitoring and frequency of submittals to the NYSDEC.

c. an Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:

- procedures for operating and maintaining the remedy;
- compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
- maintaining site access controls and NYSDEC notification; and providing the NYSDEC access to the site and O&M records.



NEW YORK



QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY (2023). CONTOUR INTERVAL 10FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1IN.=2,000FT.).

N W E S

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PREPARED FOR:
586 RIVER AVE., LLC

SITE LOCATION MAP

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE 1
DESIGNED BY: RM	DRAWN BY: LWC	SCALE: 1"=2000'	
DATE: OCTOBER 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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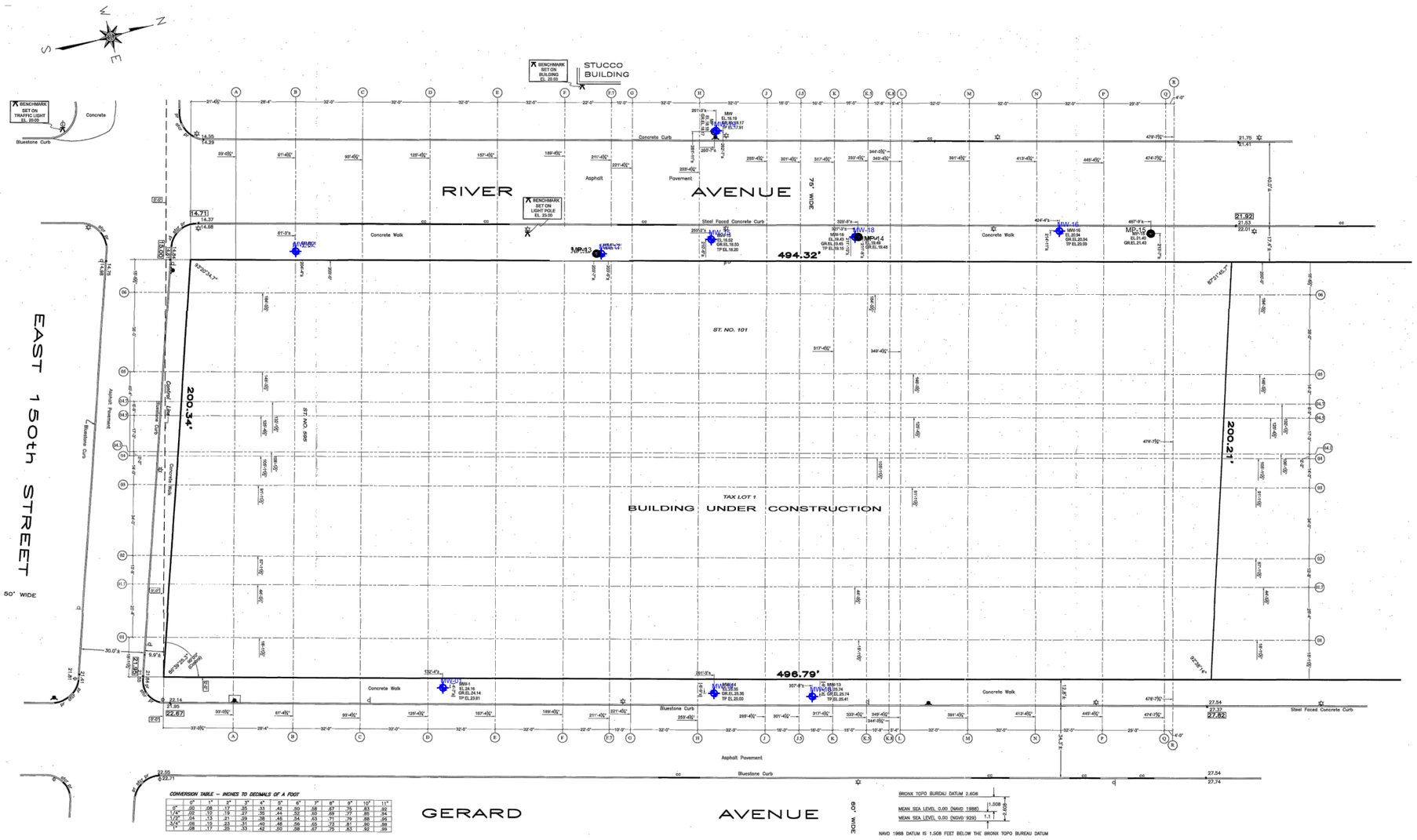
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Report\2024.10.XX Remedial Investigation Report\02 – Figures\GZA CAD\41.0163097.00 Figure 1 LWC.dwg [FIG 1 8.5x11] October



CONVERSION TABLE – INCHES TO DECIMALS OF A FOOT

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
0"	.00	.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92
1/8"	.01	.10	.19	.27	.35	.44	.52	.60	.69	.77	.85	.94
1/4"	.02	.13	.21	.29	.38	.46	.54	.63	.71	.79	.88	.96
3/4"	.06	.15	.23	.31	.40	.48	.56	.65	.73	.81	.90	.98
1"	.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92	.99

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SURVEY NO. 59727–19", PREPARED BY "MONTROSE SURVEYING CO., LLP", ORIGINAL SCALE NOT TO SCALE, DATED NO DATE.
2. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO NAVD 1988 WHICH IS 1.508 FEET BELOW THE BRONX TOPOGRAPHICAL BUREAU DATAUM.
3. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB.

LEGEND

MW-1	GROUNDWATER MONITORING WELL
GR.EL	GROUND ELEVATION
TP	TOP OF PIPE ELEVATION
EL	TOP OF MONITORING WELL ELEVATION
MP-14	PERMANENT SOIL VAPOR MONITORING WELL

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

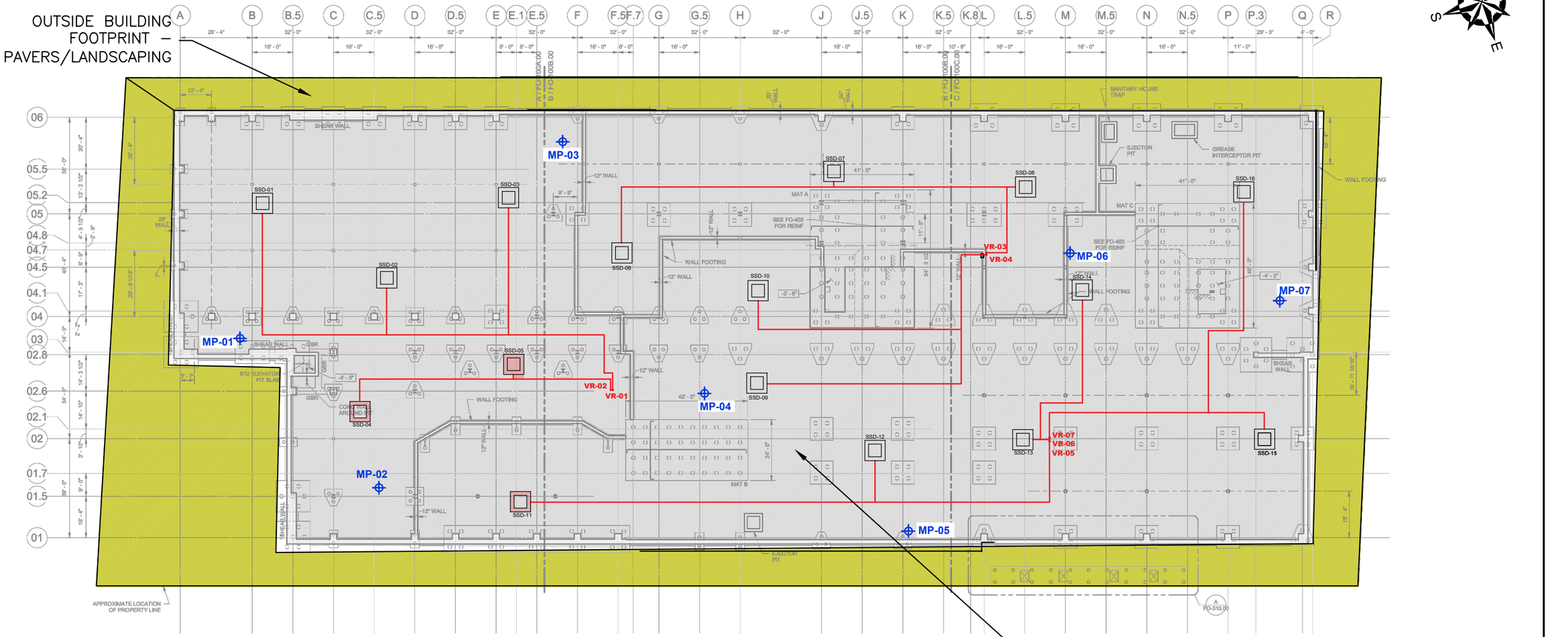
SITE PLAN

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE 2
DESIGNED BY: RM	DRAWN BY: LWC	SCALE: NTS	
DATE: OCTOBER, 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2022 – GZA GeoEnvironmental of NY.
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Report\2024.XX.XX Remedial Action Work Plan\02 – Figures\GZA CAD\41.0163097.00 Figure 2 LWC.dwg [FIG 2 – 17x11] November



A FOUNDATION FLOOR PLAN
1/16" = 1'-0"

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO–100.00" TITLED "FLOOR PLAN FOUNDATION", PREPARED BY LERA CONSULTING STRUCTURAL ENGINEERS, R.L.L.P., ORIGINAL SCALE $\frac{1}{16}$"=1', DATED MAY 26, 2023

2. THIS PLAN SHALL NOT BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCES OTHER THAN FOR THE PURPOSES OF THE CAMP DEMOBILIZATION PROPOSAL LETTER.

LEGEND

- OUTSIDE BUILDING FOOTPRINT – PAVERS/LANDSCAPED AREA
- CONCRETE COVER

0 20 40 80
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

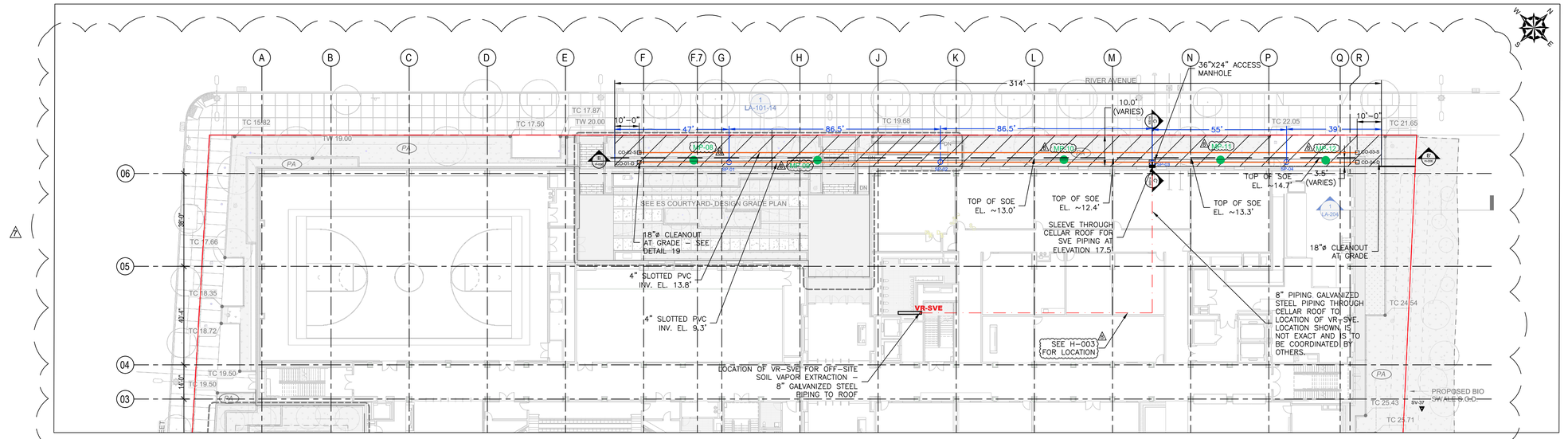
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

FINAL SITE COVER

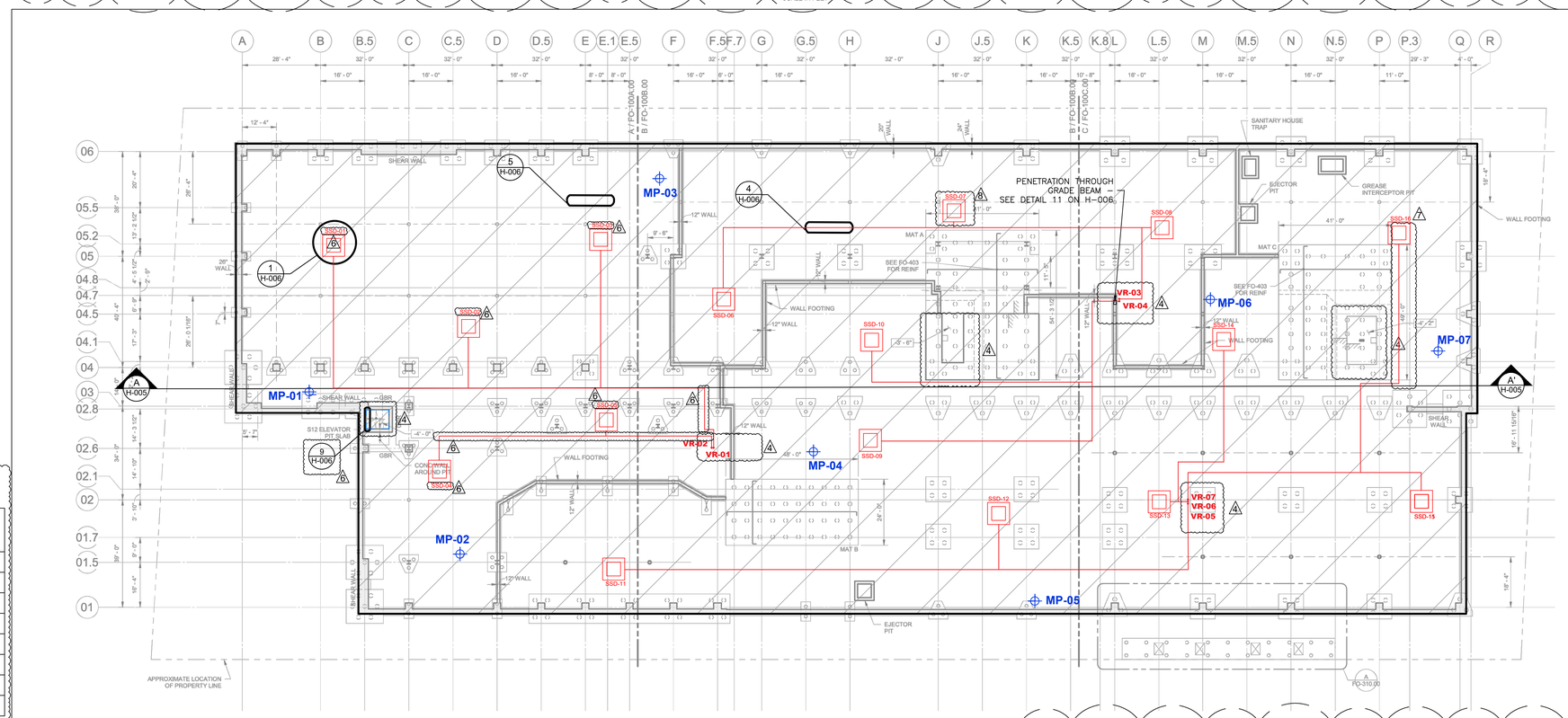
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE 3 SHEET NO.
DESIGNED BY: JHB	DRAWN BY: SID	SCALE: 1"=40'	
DATE: NOV. 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2024 – GZA GeoEnvironmental of NY.
GZA–J:\Active 163000 to 163099\163097.00 – SA 101 East 150th – BCP Remediation\Report\2024.XX.XX Remedial Action Work Plan\02 – Figures\GZA CAD\41.0163097.00 Figure 10 SD.dwg [FIGURE 11] November 25,



SOIL VAPOR EXTRACTION (SVE) SYSTEM PLAN

SCALE IN FEET 0 10 20 40



VERTICAL RISER AND CONNECTED SSDS PIT AND SVE SYSTEM TABLE

VERTICAL RISER ID	SUB-SLAB DEPRESSURIZATION PIT ID	BLOWER RISER ID
VR-01	SSD-01, SSD-02, SSD-03	SF-1
VR-02	SSD-04, SSD-05	SF-1
VR-03	SSD-06, SSD-07, SSD-08	SF-1
VR-04	SSD-09, SSD-10	SF-2
VR-05	SSD-11, SSD-12	SF-2
VR-06	SSD-13, SSD-14	SF-2
VR-07	SSD-15, SSD-16	SF-2
VR-SVE	SVE SYSTEM	SF-3

SSDS PLAN GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "FO-100.00" TITLED "FLOOR PLAN FOUNDATION, PREPARED BY LERA CONSULTING STRUCTURAL ENGINEERS, P.L.L.P., ORIGINAL SCALE $\frac{1}{16}$"=1', DATED MAY 26, 2023.
2. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES EXCEPT FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM COMPONENTS.
3. THE EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE GROUND SHALL BE LINED WITH VAPOR BARRIER.
4. SLOPE HORIZONTAL PIPE A MINIMUM OF 1% UNIFORMLY AWAY FROM THE SUB-SLAB DEPRESSURIZATION SYSTEM VERTICAL RISERS.
5. COORDINATE ALL WORK FOR SSDS INSTALLATION WITH OTHER TRADES BEFORE INSTALLATION.
6. REFER TO DRAWING H-005 FOR SECTION VIEW.
7. THE SSDS PIPING AND/OR GAS PERMEABLE BACKFILL SHALL NOT BE PLACED IN LOCATIONS WITH EXCAVATION BELOW THE WATER TABLE.

SSDS PLAN LEGEND

- PROPOSED BUILDING LINE CONSISTING OF A 60-MIL GCP VAPOR BARRIER (WPS-02) APPLIED ON THE EXTERIOR OF FOUNDATION WALL EXTENDING TO GROUND SURFACE
- 60-MIL GCP VAPOR BARRIER (WPS-02) APPLIED ON THE EXTERIOR OF ELEVATOR PIT SIDEWALLS
- HORIZONTAL EXTENT OF SSDS (46-MIL GCP VAPOR BARRIER (WPS-01)) AND 12" GAS PERMEABLE AGGREGATE LAYER
- 4-INCH DIAMETER SOLID SCHEDULE 80 PVC SSDS PIPE BENEATH BUILDING SLAB
- VR-01 — 6-INCH DIAMETER VERTICAL GALVANIZED STEEL RISER PIPE EXTENDS THROUGH CELLAR SLAB
- SSD-01 — SSDS PIT LOCATION (REFER TO DETAIL 1 & 2 ON DRAWING H-006)
- MP-01 — SUB-SLAB MONITORING POINT (REFER TO DETAIL7 ON DRAWING H-006)

SSDS PIT AND VAPOR BARRIER COVERAGE PLAN

SCALE IN FEET 0 10 20 40

SVE PLAN GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING "LA-100-3" TITLED "SITE - DESIGN GRADE PLAN", PREPARED BY SKIDMORE, OWINGS & MERRILL LLP., ORIGINAL SCALE $\frac{1}{16}$"=1',, DATED MAY 26, 2023.
2. THIS PLAN IS PRELIMINARY AND SHALL NOT BE FINALIZED OR CONSTRUCTED PRIOR TO A COMPLETE SOIL VAPOR EXTRACTION SYSTEM PILOT PROGRAM, A FINAL DESIGN, AND APPROVAL FROM ALL APPROPRIATE REGULATORY AGENCIES.
3. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES OTHER THEN THE PRELIMINARY SOIL VAPOR EXTRACTION SYSTEM DESIGN.
4. ELEVATIONS RELATED TO THE SOIL VAPOR EXTRACTION SYSTEM ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. ELEVATIONS WERE COLLECTED BASED ON FIELD MEASUREMENTS WITH MEASURING TAPE, AND ARE CONSIDERED APPROXIMATE.
5. ALL WORK FOR THE SOIL VAPOR EXTRACTION SYSTEM MUST BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
6. PVC PIPING AND MONITORING POINTS MAY BE FIELD ADJUSTED DEPENDING ON UNDERGROUND UTILITIES AND OTHER SITE FEATURES.
7. LOCATIONS AND SIZING OF PIPING MAY REQUIRE ADJUSTMENTS FOLLOWING RESULTS OF THE SOIL VAPOR EXTRACTION PILOT TEST.

SVE PLAN LEGEND

- SITE BOUNDARY
- AREA OF SOIL VAPOR EXTRACTION TREATMENT
- 4" SLOTTED PVC PIPING IN SHALLOW AND DEEP GRAVEL TRENCHES BELOW GRADE
- LOCATION OF SOE WALL (ELEVATION VARIES)
- SP-01 — 4" SOLID PVC RISER PIPE CONNECTING SLOTTED PVC IN DEEP AND SHALLOW TRENCHES
- MP-08 — PROPOSED SOIL VAPOR MONITORING POINT - SEE DETAIL 18

SUCCESS ACADEMY CHARTER SCHOOLS

101 East 150th Street, Bronx, NY 10451

OWNER

Success Academy Charter Schools
95 Pine Street, New York, NY 10005

ARCHITECT

SOM
Skidmore, Owings & Merrill LLP
250 Greenwich St, New York, NY 10007

OWNER'S REPRESENTATIVE

DBI Projects
1261 Broadway 9th floor, New York, NY 10001

CIVIL ENGINEER

Philip Habib & Associates
102 Madison Avenue, New York, NY 10016

STRUCTURAL ENGINEER

LERA Consulting Structural Engineers
40 Wall Street, New York, NY 10005

MEPF ENGINEER

Ventrop Engineering Consulting Group, PLLC
369 W 34th Street, New York, NY 10001

VERTICAL TRANSPORTATION

Lerch Bates
1430 Broadway, New York, NY 10018

AV & IT

Align
55 Broad Street, New York, NY 10004

LIGHTING

SBLD Studio
575 Bloomfield Ave, Montclair, NJ 07042

CODE CONSULTING

Code Consulting, Inc.
215 West 40th Street, New York, NY 10018

FOOD SERVICES CONSULTANT

Davella Studios
450 Lexington Avenue - FL 4, New York, NY 10017

LANDSCAPE ARCHITECT

SWA/Balsley
31 W 27th Street, New York, NY 10001

GEOTECHNICAL CONSULTANT

Mueser Rutledge Consulting Engineers
225 W 34th St. #6, New York, NY 10122

ENVIRONMENTAL CONSULTANT

GZA
104 West 29th Street, 10th Floor, New York, NY 10001

ENCLOSURE CONSULTANT

Hatfield Group
285 W Broadway, New York, NY 10013

SUSTAINABILITY CONSULTANT

Socotec
151 W 42nd Street, New York, NY 10036

ACOUSTICS

Cerami & Associates
1001 Avenue of the Americas, New York, NY 10018

SIGNAGE AND WAYFINDING CONSULTANT

Pentagram
250 Park Avenue South, New York, NY 10003

SECURITY CONSULTANT

Introba (formerly Ross & Baruzzini)
1450 Broadway, Office 15-102, New York, NY 10018

HARDWARE CONSULTANT

arkaSpecs, Inc.
12 Phyllis Ln, Rock Tavern, NY 12575

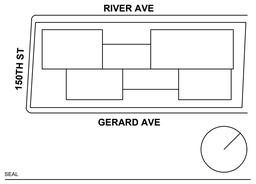
THEATRICAL CONSULTANT

Harvey Marshall Berling Associates
173 W 81st St, New York, NY 10024

COMMISSIONING

FST Technical Services
30 Broad Street, Suite 1500, New York, NY 10004

KEYPLAN



SEAL

NO.	DATE	DESCRIPTION
8	05/24/2024	BULLETIN 09
7	03/06/2024	BULLETIN 06
6	09/29/2023	BULLETIN 01
5	08/11/2023	ADDENDUM 5
4	07/14/2023	ADDENDUM 3
3	05/26/2023	ISSUED FOR CONSTRUCTION
2	03/31/2023	ISSUED FOR 90% CONSTRUCTION DOCUMENTS
1	11/18/2022	ISSUED FOR 30% CONSTRUCTION DOCUMENTS

DRAWING TITLE

SSDS PIT, SVE SYSTEM, AND VAPOR BARRIER COVERAGE PLAN

DRAWING NUMBER

Figure 4

B-SCAN DRAWING NUMBER

NB APPLICATION NO.

#X006970361-I1

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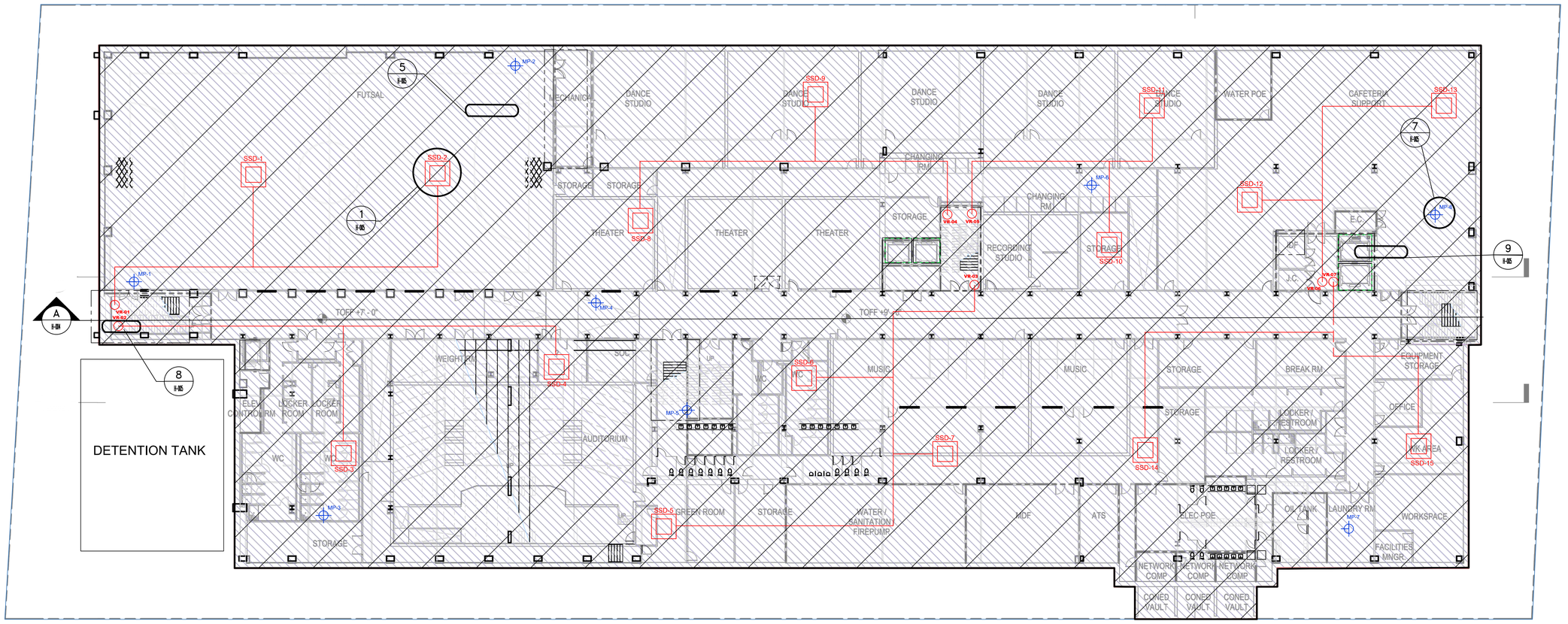

NOTES

1. BASE MAP DEVELOPED FROM DRAWING Z-100 TITLED ZONING FLOOR PLAN - CELLAR, PREPARED BY SKIDMORE, OWINGS & MERRILL LLP, ORIGINAL SCALE 1/8"=1',. DATED SEPTEMBER 9, 2022.
2. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES EXCEPT FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM.
3. THE SUBSLAB DEPRESSURIZATION SYSTEM COUPLES WITH THE REQUIREMENTS OF THE 2008 NYC MECHANICAL CODE SECTION 512, "SUBSLAB EXHAUST SYSTEMS".
4. THE SUBSLAB DEPRESSURIZATION SYSTEM IS NOT A "HAZARDOUS EXHAUST SYSTEM" AS DEFINED BY THE 2008 NYC MECHANICAL CODE SECTION 510.
5. THE EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE FLOOR SLABS SHALL BE LINED WITH VAPOR BARRIER.
6. SLOPE HORIZONTAL PIPE A MINIMUM OF 1% UNIFORMLY AWAY FROM THE SUB-SLAB DEPRESSURIZATION SYSTEM VERTICAL RISERS.
7. COORDINATE ALL WORK FOR SSDS INSTALLATION WITH OTHER TRADES BEFORE INSTALLATION.
8. REFER TO DRAWING H-004 FOR SECTION VIEW.
9. THE SSDS AND GAS PERMEABLE BACKFILL WILL NOT BE PLACED IN LOCATIONS WITH EXCAVATION BELOW THE WATER TABLE.
10. THE GAS PERMEABLE MATERIAL WILL COMPLY WITH THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1-1/2 INCH	100
1-INCH	90-100
3/4-INCH	20-55
1/2-INCH	0-5

LEGEND

- APPROXIMATE EXTENT OF SITE BOUNDARY
- HORIZONTAL EXTENT OF SSDS, VAPOR BARRIER CONSISTING OF 46-MIL GCP PREPRUFE 300R, AND 12" GAS PERMEABLE AGGREGATE LAYER
- PROPOSED BUILDING LINE WITH VAPOR BARRIER CONSISTING OF 31-MIL GCP PREPRUFE 160R APPLIED ON THE EXTERIOR OF FOUNDATION WALL EXTENDING TO GROUND SURFACE
- VERTICAL VAPOR BARRIER CONSISTING OF 31-MIL GCP PREPRUFE 160R APPLIED ON THE EXTERIOR OF ELEVATOR PIT SITE WALLS
- 4-INCH DIAMETER SOLID PVC SSDS PIPE BENEATH BUILDING SLAB
- VR-# — 6-INCH DIAMETER VERTICAL GALVANIZED STEEL RISER PIPE EXTENDS THROUGH CELLAR SLAB (REFER TO DETAIL 8 ON DRAWING H-005). KEEP A MINIMUM DISTANCE OF 10 FEET FROM ANY OPERABLE WINDOW, DOORWAY, AND FRESH AIR INTAKE
- MP-X — SUB-SLAB MONITORING POINT (REFER TO DETAIL7 ON DRAWING H-005)
- SSD-# — SSDS PIT LOCATION (REFER TO DETAIL 1 & 2 ON DRAWING H-005)

0 7.5 15 30
SCALE IN FEET

MONITORING POINT LOCATIONS

ID	ROOM LOCATION (CELLAR LEVEL)
MP-1	FUTSAL COURT
MP-2	FUTSAL COURT
MP-3	WATER CLOSET
MP-4	HALLWAY
MP-5	STAIRWAY
MP-6	STORAGE ROOM
MP-7	LAUNDRY ROOM
MP-8	CAFETERIA SUPPORT

NOT FOR CONSTRUCTION

NO.	ISSUE/DESCRIPTION	BY	DATE
1	UPDATE NOTES AND DETAIL CALLOUTS.	JHB	JANUARY 9, 2023

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101 EAST 150TH STREET
BRONX, NEW YORK 10451

SSDS AND SITE COVER PLAN

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: SMK	DRAWN BY: JHB	SCALE: 1"=20'	5
DATE: JANUARY 2023	PROJECT NO. 41.0162951.10	REVISION NO. 1	SHEET NO.

©2021 – GZA GeoEnvironmental of NY. GZA-V:\Active 162000 to 163999\162951.10 - SA Subslab Depressurization System\2manyk\GZA CAD\101 E.150TH ST SSDS_Rev.1.dwg [A2x3] 9/9/22 – Plot: January 09, 2023 – 11:51am jackson.kopuh

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

June 28, 2023

Shabbir Ahmed
586 River Ave., LLC
c/o Success Academy Charter Schools
95 Pine Street, 6th Floor
New York, NY 10005

Re: 101 East 150th Street
101 East 150th Street, Bronx, Bronx County
Brownfield Cleanup Program # C203154
Interim Remedial Measure Work Plan

Dear Mr. Ahmed:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has completed its review of the Interim Remedial Measure Work Plan (IRMWP) dated June 2023 which was prepared by GZA GeoEnvironmental of New York on behalf of 586 River Ave., LLC (the Participant). The IRMWP was submitted to NYSDEC under the Brownfield Cleanup Program. The IRMWP is deemed adequate and is hereby approved for implementation.

The Participant and its contractors are solely responsible for safe execution of all invasive and other field work performed under this IRMWP. The Participant and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under this IRMWP. Further, the Participant and its contractors are solely responsible for the identification of utilities that might be affected by work under this IRMWP and, implementation of all required, appropriate, or necessary health and safety measures during performance of work under this IRMWP.

In accordance with the requirements of the Brownfield Cleanup Agreement and the Citizen Participation Plan, the approved IRMWP must be placed in the project document repositories within 5 business days. Any draft copies of this work plan should be removed. A certification that this document has been placed in the project repositories, and that the repositories are complete with all project documents, must be submitted to the NYSDEC project manager.

Should you any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Sincerely,

Wendi Zheng

Wendi Zheng
Project Manager

ec: J. O'Connell, A. Obligado, G. Nam – NYSDEC
S. McLaughlin, S. Rushford – NYSDOH
S. Kline, R. Maniquez – GZA
P. Karmel – Bryan Cave Leighton Paisner LLP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

November 9, 2023

Shabbir Ahmed
586 River Ave., LLC
c/o Success Academy Charter Schools
95 Pine Street, 6th Floor
New York, NY 10005

Re: 101 East 150th Street
101 East 150th Street, Bronx, Bronx County
Brownfield Cleanup Program # C203154
Supplemental Interim Remedial Measures Work Plan

Dear Mr. Ahmed:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has completed its review of the Supplemental Interim Remedial Measures Work Plan (SIRMWP) dated October 2023 which was prepared by GZA GeoEnvironmental of New York on behalf of 586 River Ave., LLC (the Participant). The SIRMWP was submitted to NYSDEC under the Brownfield Cleanup Program. The SIRMWP is deemed adequate and is hereby approved for implementation.

The Participant and its contractors are solely responsible for safe execution of all invasive and other field work performed under this SIRMWP. The Participant and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under this SIRMWP. Further, the Participant and its contractors are solely responsible for the identification of utilities that might be affected by work under this SIRMWP and, implementation of all required, appropriate, or necessary health and safety measures during performance of work under this SIRMWP.

In accordance with the requirements of the Brownfield Cleanup Agreement and the Citizen Participation Plan, the approved SIRMWP must be placed in the project document repositories within 5 business days. Any draft copies of this work plan should be removed. A certification that this document has been placed in the project repositories, and that the repositories are complete with all project documents, must be submitted to the NYSDEC project manager.

Should you any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Sincerely,

Wendi Zheng

Wendi Zheng
Project Manager

ec: J. O'Connell, A. Obligado, G. Nam – NYSDEC
S. McLaughlin, D. Tucholski, S. Rushford – NYSDOH
S. Kline, R. Maniquez – GZA
P. Karmel – Bryan Cave Leighton Paisner LLP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

February 8, 2024

Shabbir Ahmed
586 River Ave., LLC
c/o Success Academy Charter Schools
95 Pine Street, 6th Floor
New York, NY 10005

Re: 101 East 150th Street
101 East 150th Street, Bronx, Bronx County
Brownfield Cleanup Program # C203154
Supplemental Interim Remedial Measures Work Plan- Southern Extension

Dear Mr. Ahmed:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has completed its review of the Supplemental Interim Remedial Measures Work Plan Southern Extension (SIRMWP) dated January 2024 which was prepared by GZA GeoEnvironmental of New York on behalf of 586 River Ave., LLC (the Participant). The SIRMWP was submitted to NYSDEC under the Brownfield Cleanup Program. The SIRMWP is deemed adequate and is hereby approved for implementation.

The Participant and its contractors are solely responsible for safe execution of all invasive and other field work performed under this SIRMWP. The Participant and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under this SIRMWP. Further, the Participant and its contractors are solely responsible for the identification of utilities that might be affected by work under this SIRMWP and, implementation of all required, appropriate, or necessary health and safety measures during performance of work under this SIRMWP.

In accordance with the requirements of the Brownfield Cleanup Agreement and the Citizen Participation Plan, the approved SIRMWP must be placed in the project document repositories within 5 business days. Any draft copies of this work plan should be removed. A certification that this document has been placed in the project repositories, and that the repositories are complete with all project documents, must be submitted to the NYSDEC project manager.

Should you any questions regarding this letter or any other aspect of the project, please contact me at 718-482-7541 or wendi.zheng@dec.ny.gov.

Sincerely,

Wendi Zheng
Project Manager

ec: J. O'Connell, A. Obligado, G. Nam – NYSDEC
S. McLaughlin, D. Tucholski, S. Rushford – NYSDOH
S. Kline, R. Maniquez – GZA
P. Karmel – Bryan Cave Leighton Paisner LLP

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

May 28, 2025

Nathaniel Katz
586 River Ave., LLC
c/o Success Academy Charter Schools
95 Pine Street, 6th Floor
New York, NY 10005
nathaniel.katz@successacademies.org

Re: 101 East 150th Street
Site ID No. C203154
Bronx, Bronx County
Remedial Action Work Plan & Decision Document

Dear Mr. Katz:

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) have reviewed the Remedial Action Work Plan (RAWP) for the 101 East 150th Street site dated May 2025 and prepared by GZA GeoEnvironmental of New York on behalf of 586 River Ave., LLC (the Participant). The RAWP is hereby approved. Please ensure that a copy of the approved RAWP is placed in the document repositories along with this letter. Any draft copies should be removed.

Attached is a copy of the NYSDEC's Decision Document for the site. The remedy is to be implemented in accordance with this Decision Document. Please ensure that a copy of the Decision Document is placed in the document repositories.

Please contact Wendi Zheng at wendi.zheng@dec.ny.gov or (718) 482-7541 at your earliest convenience to discuss the next steps. Please recall NYSDEC requires seven days' notice prior to the start of field work.

Sincerely,

Jane H. O'Connell, P.G.
Regional Remediation Engineer

ec: S. Deyette, J. O'Connell, A. Obligado, G. Nam – NYSDEC
J. Deming, S. Lawrence, K. Pollard – NYSDOH
S. Kline, R. Maniquez – GZA
P. Karmel – Bryan Cave Leighton Paisner LLP

Outlook

[EXTERNAL] RE: C203154 - Proposed Reduction in PFAS Analyses 08072023.pdf

From Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Date Thu 8/17/2023 11:10
To Bill Maniquez <Reinbill.Maniquez@gza.com>
Cc Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Steve Kline <stephen.kline@gza.com>

Hi Bill,
We have reviewed the 8/17 PFAS soil endpoint reduction request. The request is approved. Please document this request and correspondence in the IRM CCR.

Thanks,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Reinbill Maniquez <Reinbill.Maniquez@gza.com>
Sent: Thursday, August 17, 2023 9:56 AM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Cc: Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Stephen Kline <stephen.kline@gza.com>
Subject: RE: C203154 - Proposed Reduction in PFAS Analyses 08072023.pdf

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good Morning Wendi,

Please see attached revised request.
With your concurrence, we will proceed with the PFAS analyses as stated.

Thank you

-Bill

Reinbill Maniquez, CHMM
Senior Project Manager
GZA GeoEnvironmental of New York
104 West 29th Street, 10th Floor | New York, NY 10001
o: 212.594.8140 | c: 347.443.1059 | bill.maniquez@gza.com | www.gza.com
GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT
Known for excellence. Built on trust.

From: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Sent: Wednesday, August 16, 2023 7:57 AM
To: Reinbill Maniquez <Reinbill.Maniquez@gza.com>
Cc: Obligado, Andre A (DEC) <andre.obligado@dec.ny.gov>; O'Connell, Jane H (DEC) <jane.oconnell@dec.ny.gov>; Stephen Kline <stephen.kline@gza.com>
Subject: [EXTERNAL] RE: C203154 - Proposed Reduction in PFAS Analyses 08072023.pdf

Hi Bill,
The Department has reviewed the IRM PFAS soil endpoint sampling reduction request submitted on 8/7/2023. Please see our comment below on this request. Once revised, please send me the revised request.

- Include one additional PFAS soil endpoint sample near SB/MW-03. Update the plan accordingly.

Thanks,

Wendi Zheng
New York State Department of Environmental Conservation
P: (718) 482-7541 | wendi.zheng@dec.ny.gov

From: Reinbill Maniquez <Reinbill.Maniquez@gza.com>
Sent: Monday, August 7, 2023 4:26 PM
To: Zheng, Wendi Y (DEC) <Wendi.Zheng@dec.ny.gov>
Subject: C203154 - Proposed Reduction in PFAS Analyses 08072023.pdf

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good Afternoon Wendi,

As discussed, please see attached request for the reduction
In PFAS sampling and analyses.
Let me know if you have any comments or questions.
Thank you!

-Bill

Reinbill Maniquez, CHMM
Senior Project Manager
GZA GeoEnvironmental of New York
104 West 29th Street, 10th Floor | New York, NY 10001
o: 212.594.8140 | c: 347.443.1059 | bill.maniquez@gza.com | www.gza.com
GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT
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APPENDIX C – OTHER AGENCY APPROVALS

Stormwater Construction Permit Application

Project Location:

Construction Project Address, Coordinates and NYC Borough-Block-Lot

Request ID: 0001205

Application ID: S206623

1.01 Identify the project location and verify if it's in an MS4 region of NYC

Project/Site Name

101 East 150th Street

Is your project located on a tax lot (Does your projects site have a BBL)?	Yes

House No.

580

Street (Not P.O. Box)

River Avenue

Borough

Bronx

City

New York

Zip Code

10451

State

New York

Side of Street

North

NYC BIN Number

Name of the Nearest Cross Street

River Avenue

Distance to the Nearest Cross Street (feet)

0.00

Project in relation to Cross Street

Within MS4?

Latitude

40.82044

Longitude

-73.92905

Please Identify End Points of the Project (To Latitude)

Please Identify End Points of the Project (To Longitude)

1.02 Identify Borough-Block-Lot and associated NYC zoning.
Please make sure your BBL is 10 digits, where 1st digit is Borough code (MN=1, BX=2, BK=3, QN=4, SI=5), next 5 digits represent block #, and last 4 digits represent Lot #

BBL (#1)	NYC Zoning (#1)
2023540001	
BBL (#2)	**NYC Zoning (#2)**
BBL (#3)	**NYC Zoning (#3)**
BBL (#4)	**NYC Zoning (#4)**
BBL (#5)	**NYC Zoning (#5)**

Please enter additional Borough-Block-Lot and associated NYC zoning separated by comma ",".

Project Information:

Detailed Construction Project Information

2.01 What is the nature of this Construction Project?

Redevelopment with no increase in impervious area

2.02 Select the predominant land use for both pre and post development conditions.

Pre-Development Existing Land Use

Commercial

If the predominant land use for pre-development is not listed above, please specify it here.

Post-Development Future Land Use

Institutional/School

If the predominant land use for post-development is not listed above, please specify it here.

Number of Lots

2.03 Planned Start Date of Construction Activities	2.04 Planned End Date of Construction Activities
5/1/2023	5/1/2026

2.05 Is This a Phased Project?	No

2.06 Total Site Area (Acres)	2.07 Total Area to be Disturbed (Acres)
2.28	2.28

2.08 Existing Impervious Area to be Disturbed (Acres)	2.09 Future Impervious Area Within Disturbed Area (Acres)
2.28	1.99

2.10 Do you plan to disturb more than 5 acres of soil at any one time?	No

2.11 Indicate the percentage of each Hydrological Soil Group (HSG) at the site

HSG A (in %): 0	HSG B (in %): 0	HSG C (in %): 0	HSG D (in %): 100

2.12 Indicate USDA Soil Slope Phase in percentage value for each Soil Group at the site

Soil Slope A 0% - 3%	0	Soil Slope B 3% - 8%	100	Soil Slope C 8% - 15%	0
Soil Slope D 15% - 25%		0	Soil Slope E, F > 25%		0

2.13 Where Does Site Runoff Go?	Combined Sewer

2.14 If the site drains into the NYC MS4 via another separate sewer system, enter the name of the owner or operator for that system.

2.15 Is the project required to meet the no net increase requirements?	No
2.16 Is the project located in one of the watershed areas associated with AA and AA-S classified waters?	No
2.16.1 Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as E or F on the USDA Soil Survey?	No
2.16.2 If Yes, What is the Acreage to be Disturbed?	

2.17 Identify the nearest surface waterbodies to which construction site runoff will discharge.

Receiving Waterbody (#1)	**Receiving Waterbody (#2)**
Waterbody Name (#1)	**Waterbody Name (#2)**
CSS	
Type of Waterbody (#1)	**Type of Waterbody (#2)**
Other Type Off Site	
Water Body Type Other (#1)	**Water Body Type Other (#2)**
CSS	
Impaired For (Pollutant Name) (#1)	**Impaired For (Pollutant Name) (#2)**
NONE	
Is Surface Waterbody in 303(d) Seg? (#1)	**Is Surface Waterbody in 303(d) Seg? (#2)**
No	
If Wetland selected, how was it identified? (#1)	**If Wetland selected, how was it identified? (#2)**
Wetland Identification Other (#1)	**Wetland Identification Other (#2)**

2.18 Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area?	No
2.19 Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law?	No
2.20 Is this property owned by a state authority, state agency, federal government or local government?	No

2.20.1 Please select the Government Agency	
Please specify the name of the Government Agency	

2.21 Is this a remediation project being done under NYS DEC approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.)?	No
2.22 Is this a flood management project?	No
2.22.1 Is The Project:	New Facility

Erosion Sediment Control Criteria:

Erosion and Sediment Control Practices	
3.01 Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)?	Yes
3.02 Has a construction sequence schedule for the planned management practices been prepared?	Yes

3.03 Select all of the erosion and sediment control practices that will be employed on the project

Runoff Control

- ☐ **Check Dam**
- ☐ **Construction Ditch**
- ☐ **Dewatering Sump Pit**
- ☐ **Diversion**
- ☐ **Earth Dike**
- ☐ **Flow Diffuser**
- ☐ **Flow Spreader**
- ☐ **Grade Stabilization Structure**
- ☐ **Grassed Waterway**
- ☐ **Lined Waterway**
- ☐ **Paved Flume**
- ☐ **Perimeter Dike/Swale**
- ☐ **Pipe Slope Drain**
- ☐ **Rock Outlet Protection**
- ☐ **Storm Drain Diversion**
- ☐ **Subsurface Drain**
- ☐ **Water Bar**

Soil Stabilization

- ☐ **Anchored Stabilization Matting**
- ☐ **Armored Slope and Channel Stabilization**
- ☐ **Branch Packing**
- ☐ **Brush Layer**
- ☐ **Brush Mattress**
- ☐ **Fertilizer Application**
- ☐ **Fiber Roll**
- ☐ **Landgrading**
- ☐ **Lime Application**
- ☐ **Live Crib Wall**
- ☐ **Permanent Construction Area Planting**
- ☐ **Recreation Area Seeding**
- ☐ **Retaining Walls**
- ☐ **Soil Restoration**
- ☐ **Stabilization With Sod**
- ☐ **Surface Roughening**
- ☑ **Temporary Construction Area Seeding**
- ☐ **Topsoiling**
- ☐ **Tree Revetment**
- ☐ **Trees, Shrubs, and Vines**

☐	Live Fascines	☐	Vegetated Rock Gabions
☐	Live Stakes	☐	Vegetating Sand and Gravel Borrow Areas
☐	Loose Stabilization Blankets	☐	Vegetating Sand Dunes and Tidal Banks
☐	Mulching	☐	Vegetating Waterways

Sediment Control

☐	Buffer Filter Strip	☐	Sediment Dike
☐	Cofferdam Structure	☐	Sediment Tank - Portable
☑	Compost Filter Sock	☐	Sediment Trap
☐	Dewatering Device	☑	Silt Fence
☐	Geotextile Filter Bag	☑	Storm Drain Inlet Protection
☐	Rock Dam	☐	Straw Bale Dike
☐	Sediment Basin	☐	Turbidity Curtain

Erosion Control Planning and Site Management

☐	Construction Road Stabilization	☐	Site Pollution Prevention
☑	Concrete Truck Washout	☑	Stabilized Construction Access
☑	Dust Control	☐	Temporary Access Waterway Crossing
☐	Protecting Vegetation During Construction	☐	Winter Stabilization

Other Erosion and Sediment Control Practice(s)

If using other Erosion & Sediment Control Practices that are not listed above, please enter them here separated by comma ",".
STOCKPILE YARD

Post Construction Criteria:

Stormwater Management Practice Component Requirement	
4.01 Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)?	Yes
4.02 Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual?	Yes

Table 1 - Site Planning Practices:

Site Planning Practices

4.03 Identify all the site planning practices that were used to prepare the final site plan/layout for the project

- ☐ **Preservation of undisturbed area**
- ☐ **Preservation of Buffers**
- ☐ **Reduction of Clearing and Grading**
- ☐ **Locating Development in Less Sensitive Area**
- ☐ **Roadway Reduction**
- ☐ **Sidewalk Reduction**
- ☐ **Driveway Reduction**
- ☐ **Cul-de-sac Reduction**
- ☐ **Building Footprint Reduction**
- ☐ **Parking Reduction**
- ☑ **None (Please explain the reason in SWPPP)**

Does the SWPPP include a description for each of the practices selected above including, but not limited to: a delineation for the area in question, a justification describing how and why the area/practice qualifies as its labeled practice type, etc.?

4.04 Indicate which of the following soil restoration criteria was used to address the requirements in section 5.1.6 ("Soil Restoration") of the Design Manual (2015 Version).

Soil Restoration per Table 5.3 of Design Manual

SMPs Information

SMP Table Summary

SMP ID	SMP Type	SMP Classification	Impervious Area	Contributing Area	Technique Name	Manufacturer Name
0004114	Green roof	Tier 1 - Vegetated Retention	0.21	0.21		
0004115	Stormwater planter	Tier 1 - Vegetated Retention	0.05	0.10		
0004116	Detention tank	Tier 3 - Non-vegetated Detention	2.17	2.17		

Post Construction Summary:

Table Summary

	Total (Acres)	Total Impervious (Acres)
Runoff Reduction		
Standard SMPs		
Alternative SMPs		

4.05 Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).	0.24
4.06 Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) & Standard SMPs with RRv capacity identified in Table 2,3, & 4.	0.03
4.07 Provide the minimum RRv required in acre-feet based on HSG.	0.00
4.08 WQv Provided(Acre-feet)	0.21

4.09 Summarize the specific site limitations and justify not reducing 100% of WQv required (#4.05)

Due to extent of building coverage on the site, reducing 100% of WQv was not possible. WQv requirement is met through provision of green roofs, a stormwater planter and detention tank.

Channel Protection & Flood Control:

Additional Post Construction Criteria

4.10 The need to provide Channel Protection Storage volume is waived because

Site discharges directly to tidal waters or a fifth order or larger stream

4.11 Provide the total Channel Protection Storage Volume (CPv) required

CPv Required (acre-feet)	
CPv Provided (acre-feet)	

4.12 The need to provide Overbank flood (Qp) and Extreme flood (Qf) control is waived because

Site discharges directly to tidal waters or a fifth order or larger stream

4.13 Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria

Qp Pre-Devlopment (CFS)	
Qp Post-Development (CFS)	
Qf Pre-Development (CFS)	
Qf Post-Development (CFS)	

4.14 Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed?

Yes

4.15 Identify the entity responsible for the long-term operation and Maintenance.

586 River Ave LLC

Other Permits:

Other New York State or New York City Permits

4.16 Identify other NYC permits or approvals that are required for this project.
Note: Include appropriate documentation with SWPPP

- ☑ **BWSO Site Connection**
- ☐ **DOB Private on-site drainage**
- ☐ **None**
- ☐ **Lot Line Adjustment**
- ☐ **Zoning Change**

4.17 Identify other DEC permits, existing and new, that are required for this project/facility

- ☐ **Air Pollution Control**
- ☐ **Coastal Erosion**
- ☐ **Hazardous Waste**
- ☐ **Long Island Wells**
- ☐ **Mined Land Reclamation**
- ☐ **Solid Waste**
- ☐ **Navigable Waters Protection/ Article 15**
- ☐ **Water Quality Certificate**
- ☐ **Dam Safety**
- ☐ **Water Supply**
- ☐ **Freshwater Wetlands/ Article 24**
- ☐ **Tidal Wetlands**
- ☐ **Wild, Scenic and Recreational River**
- ☐ **Stream Bed or Bank Protection/ Article 15**
- ☐ **Endangered or Threatened Species (Incidental Take Permit)**
- ☐ **Individual SPDES**
- ☐ **SPDES Multi-Sector General Permit**
- ☑ **None**
- ☐ **Other**

Please Specify (Other)

SPDES Multi Sector General Permit

4.18 Does this project require a US Army Corps of Engineers Wetland Permit?	No

4.18.1 Indicate the Size of Impact (to nearest tenth of an acre).

4.19 Former SPDES # if Continuing Coverage

NYR

4.20 Have you complied with CEQR (City Environment Quality Review)?	Yes

4.21 This space can be used for other pertinent project information.

A stormwater planter will be provided to handle stormwater from the northern side of the building up to the north property line. The building setbacks along the east, south and west sides of the building will have a plantings at grade along with hardscaped at building entries and for queuing areas for students.

Stakeholders:

All the stakeholders will need to register in the system before the application can be submitted. If a stakeholder is already registered in the system, his/her information will be prefilled below.

Enter Owner's Email Address	bronxk12-dep-UC@saschools.org
Owner Type	Company
Is Owner Same as Developer?	Yes
Will Owner or Developer be Applicant for NYS NOI?	Owner
Enter Developer's Email Address	bronxk12-dep-UC@saschools.org
Enter SWPPP Preparer's Email Address Must be a Qualified Professional as defined in RCNY Title 15, Chapter 19.1	smccoy@phaeng.com

Stakeholders' Information:

Construction Project Stakeholders' Information

Owner information:

Name (Company / Private / Agency)	586 River Ave, LLC c/o Success Academy Charter Schools
Mailing Address	120 Wall Street 6th Floor
First Name	Richard
Middle Initial	
Last Name	Gladstone
City	New York
State	New York
Zipcode	10005
Federal Tax ID	87-3706360
Phone	(908) 489-7784
Alternate Email	

Developer information:

Name (Company / Private / Agency)	586 River Ave, LLC c/o Success Academy Charter Schools
Mailing Address	120 Wall Street 6th Floor
First Name	Richard
Middle Initial	
Last Name	Gladstone
City	New York
State	New York
Zipcode	10005
Federal Tax ID	
Phone	(908) 489-7784
Alternate Email	

SWPPP Preparer:

Mailing Address	102 Madison Avenue
First Name	Sue
Middle Initial	
Last Name	McCoy
City	New York

State	New York
Zipcode	10016
Phone	(212) 929-5656
Alternate Email	

Applicant:

Mailing Address	102 Madison Avenue
First Name	Sue
Middle Initial	
Last Name	McCoy
City	New York
State	New York
Zipcode	10016
Phone	
Alternate Email	

********** END **********

NYC Environmental Protection

PERMIT

Permit Type:	DEWATERING PERMIT	**Permit No:**	C002746487
Customer's Name:	TRI-STATE GROUNDWATER SOL	**Phone Number:**	862-336-9700
Customer's Service Address:		**Account Number:**	4001056712001
Customer's Mailing Address:	55 Harristown Rd ste 203 Glen Rock, NJ 07452-3303		
Issued By:	ID	**Issue Date:**	01/25/2024
Permitted Activity:	633,600 gallons of discharge (11/1/2023 thru 8/28/2024) @ $7.13 per hundred cubic feet - $6039.52 Permit Fee	**Expiration Date:** **Fee:**	08/28/2024 $6,039.52
Permittee:	TRI-STATE GROUNDWATER SOL		
Dewatering Location:	C-8079, Success Academy Charter School 586 River Ave Bronx, NY 10451		
BBL:			

Additional Requirements:

1. If the approval is revoked, the permit is no longer valid.

DEP BCS MANHATTAN OFFICE
2024 JAN 25 P 4:28

NYC Environmental Protection

Rohit T. Aggarwala
Commissioner

THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Planning & Analysis
59-17 Junction Blvd. 9th Floor, Flushing, NY 11373
Stormwaterpermits@dep.nyc.gov

Pinar Balci
Assistant Commissioner
Environmental Planning & Analysis

STORMWATER CONSTRUCTION PERMIT

PROJECT NAME: 101 EAST 150TH STREET

SITE ADDRESS: 580 River Avenue New York Bronx New York 10451

Issued: 6/14/2023
Expiration: 6/14/2025
Application ID: S206623
Request ID: CP-0000145

Developer : Richard Gladstone
586 River Ave, LLC c/o Success Academy Charter Schools
120 Wall Street 6th Floor
New York, New York 10005

Contractor : Drew Langer
Leon D. DeMatteis Construction Corporation
820 elmont rd
elmont, New York 11003

The holder of this permit must comply with the Rules of the City of New York, Title 15, Section 19.1-03.3. Failure to comply with the permit conditions may result in penalties. Discharges of soil or other objectionable materials to the roads, drains or waterways is a violation of this permit and should be reported via 311. Temporary shutdown of the construction site must be reported to the Department at least 7- days prior.

***DISPLAY PERMIT ON CONSTRUCTION SITE**

Margaret O'Connor,P.E.
Director of MS4 Construction Permitting

NYC Environmental Protection

PERMIT

Permit Type:	DEWATERING PERMIT	**Permit No:**	C002407284
Customer's Name:	TRI-STATE GROUNDWATER SOL	**Phone Number:**	862-336-9700
Customer's Service Address:		**Account Number:**	4001056712001
Customer's Mailing Address:	55 Harristown Rd ste 203 Glen Rock, NJ 07452-3303		
Issued By:	ID	**Issue Date:**	08/14/2023
Permitted Activity:	268,800 gallons of discharge (07/06/2023 thru 07/06/2024) @ $7.13 per hundred cubic feet - $2,562.22 Permit Fee	**Expiration Date:**	07/06/2024
		Fee:	$2,562.22

Permittee: TRI-STATE GROUNDWATER SOL

Dewatering Location: SC-1286, Success Academy Charter School, 586 River Ave, Bronx, NY 10451

BBL:

Additional Requirements:

1. If the approval is revoked, the permit is no longer valid.

RECEIVED
DEP PERMIT OFFICE
2023 AUG 14 P 2:47

THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis
59-17 Junction Blvd., 9th Floor; Flushing, NY 11373

SWPPP Acceptance/Approval

Application Number: S206623

I. Project Owner/Operator Information

1. Owner/Operator Name: *586 River Ave, LLC c/o Success Academy Charter Schools*
2. Contact Person: *Richard Gladstone*
3. Street Address: *120 Wall Street 6th Floor*
4. City/State/Zip: *New York New York 10005*

II. Project Site Information

5. Project/Site Name: *101 East 150th Street*
6. Street Address: *580 River Avenue*
7. City/State/Zip: *New York New York 10451*

III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance/Approval

8. SWPPP Reviewed by: *Prabesh Mishra*
9. Title/Position: */ Inspector*
10. Date Final SWPPP Reviewed and Accepted: *5/22/2023*
11. Acceptance/Approval Expiration Date: 5/22/2025

IV. Regulated MS4 Information for projects that require coverage under the NY State Pollution Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity

12. Name of MS4: *CITY OF NEW YORK*
13. MS4 SPDES Permit Identification Number: *NY-0287890*
14. Contact Person: *Margaret O'Connor*
15. Street Address: *59-17 Junction Blvd. 9th Floor*
16. City/State/Zip: *Flushing, NY 11373*
17. Telephone Number: *(718) 595-3855*

Projects in the MS4 area must submit a copy of this SWPPP Acceptance with a Notice of Intent for coverage under the NY SPDES General Permit for Stormwater Discharges from Construction Activity to: NYS Department of Environmental Conservation, Division of Water; 625 Broadway, 4th Floor; Albany, New York 12233-3505.

THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis
59-17 Junction Blvd., 9th Floor; Flushing, NY 11373

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).

Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name: *Margaret O'Connor*

Title/Position: *Director of MS4 Construction Permitting*

Signature:

Date: *5/22/2023*

VI. Conditions of Acceptance/Approval and Additional Information

Do not file for coverage under the NYSDEC general permit.

A copy of the Certified Site Connection Proposal must be uploaded with the permit initiation.

SMP shall be inspected and documented by qualified professional during installation to ensure system is fully installed in accordance with the design specifications and documentation shall be submitted to stormwater permitting unit at stormwaterpermits@dep.nyc.gov

Projects in the MS4 area must submit a copy of this SWPPP Acceptance with a Notice of Intent for coverage under the NY SPDES General Permit for Stormwater Discharges from Construction Activity to: NYS Department of Environmental Conservation, Division of Water; 625 Broadway, 4th Floor; Albany, New York 12233-3505.

APPENDIX D - PRE-CONSTRUCTION MEETING ATTENDANCE SHEETS

Division of Environmental Remediation
Subject: 101 East 150th Street (Site No. C203154)
Location: NYSDEC Region 2 Virtual
Date: 6/18/2025

Meeting Attendance List

Name	Representing	Phone Number	Email
Jane O'Connell	NYSDEC	718-482-4599	jane.oconnell@dec.ny.gov
Andre Obligado	NYSDEC	718-482-6412	andre.obligado@dec.ny.gov
Wendi Zheng	NYSDEC	718-482-7541	wendi.zheng@dec.ny.gov
Richard Gladstone	586 River Ave.,LLC	908-489-7784	richard.gladstone@successacademies.org
William Kurth	586 River Ave.,LLC	347-631-0329	william.kurth@saschools.org
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

Division of Environmental Remediation
Subject: 101 East 150th Street (Site No. C203154)
Location: NYSDEC Region 2 Office
Date: 7/10/2023

Meeting Attendance List

Name	Representing	Phone Number	Email
Jane O'Connell	NYSDEC	718-482-4599	jane.oconnell@dec.ny.gov
Andre Obligado	NYSDEC	718-482-6412	andre.obligado@dec.ny.gov
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Drew Langer	DeMatteis Organization	??	drew@dematteisorg.com
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Matthew Graziano	DeMatteis Organization	??	mpg@dematteisorg.com
Stephen Kline	GZA	??	??
Reinbill Maniquez	GZA	??	reinbill.maniquez@gza.com
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Paul Moscatello	PT Consultants	??	paulmoscatello@ptconsultantsinc.comz
Alessandra Coco	PT Consultants	??	??

APPENDIX E – REMEDIAL ACTION SITE PHOTOGRAPHS

GZA GeoEnvironmental of New York

SITE PHOTOGRAPHS

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
1	07/10/2023

Direction Photo Taken:
Northwest

Description:
Removal of old retaining wall and asphalt cover.

Photo No.:	Date:
2	07/11/2023

Direction Photo Taken:
Northwest

Description:
Gravel for stabilized construction entrance

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
3	07/18/2023

Direction Photo Taken:
South

Description:
Tree / brush removal in preparation for foundation installation.

Photo No.:	Date:
4	07/25/2023

Direction Photo Taken:
North

Description:
Removal of trees/shrubs and old retaining wall.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
5	07/25/2023

Direction Photo Taken:
North

Description:
Driven H-piles for support of excavation.

Photo No.:	Date:
6	08/09/2023

Location of Photo Taken:
West

Description:
Driving piles for foundation installation.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
7	08/11/2023

Direction Photo Taken:
Northeast

Description
Excavation of the northern portion of the Site under the Interim Remedial Measure (IRM). Excavated material loaded on to trucks for off-site transport.

Photo No.:	Date:
8	08/23/2023

Direction Photo Taken:
Northeast

Description:
Stabilized construction entrance and truck wash.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
9	08/23/2023

Direction Photo Taken:
Southeast

Description:
Continued excavation and installation of foundation piles.

Photo No.:	Date:
10	08/23/2023

Direction Photo Taken:
South

Description:
CAMP Station at the eastern boundary of the Site

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
11	09/13/2023

Direction Photo Taken:
North

Description:
CAMP Station at the western boundary of the Site

Photo No.:	Date:
12	09/19/2023

Direction Photo Taken:
Southeast

Description:
Concrete pour inside foundation piles

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
13	09/27/2023

Direction Photo Taken:
Northeast

Description:
Continue foundation installation under.

Photo No.:	Date:
14	10/10/2023

Direction Photo Taken:
West

Description:
Gravel delivery for foundation

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
15	10/10/2023

Direction Photo Taken:
Northwest

Description:
Gravel placed at the foundation footing

Photo No.:	Date:
16	10/11/2023

Direction Photo Taken:
North

Description:
GCP Preprufe 300r Plus Vapor barrier membrane

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
17	10/11/2023

Direction Photo Taken:
North

Description:
Vapor barrier GCP Bituthene Liquid membrane

Photo No.:	Date:
18	10/11/2023

Direction Photo Taken:
Northwest

Description:
Vapor barrier installation at the base of the foundation footing

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
19	10/11/2023

Direction Photo Taken:
Northeast

Description:
Sealing penetrations to the vapor barrier.

Photo No.:	Date:
20	10/11/2023

Direction Photo Taken:
Northeast

Description:
Rebar installed.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
21	10/11/2023

Direction Photo Taken:
Northwest

Description:
Concrete poured into foundation footing

Photo No.:	Date:
22	10/16/2023

Direction Photo Taken:
Southwest

Description:
Continue installation of forms for foundation footing.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
23	10/16/2023

Direction Photo Taken:
Northwest

Description:
Vapor barrier installed at the base of the foundation footings.

Photo No.:	Date:
24	10/24/2023

Direction Photo Taken:
Northwest

Description:
Continuing with building foundation installation.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
25	10/24/2023

Direction Photo Taken:
Northwest

Description:
Vapor barrier installation at the base of the foundation

Photo No.:	Date:
26	10/30/2023

Direction Photo Taken:
West

Description:
Vapor barrier and rebar installed in preparation for concrete pour.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
27	11/06/2023

Direction Photo Taken:
Southeast

Description:
Concrete foundation at the northern portion of the Site.

Photo No.:	Date:
28	11/14/2023

Direction Photo Taken:
Northeast

Description:
Construction of the northern sub-grade wall

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
29	11/14/2023

Direction Photo Taken:
Northeast

Description:
Construction of foundation footing and vapor barrier along western site boundary.

Photo No.:	Date:
30	11/15/2023

Direction Photo Taken:
Southeast

Description:
Preparation of RegenOx® Part A and B direct application

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
31	11/15/2023

Direction Photo Taken:
West

Description:
RegenOx® was placed in the excavator bucket

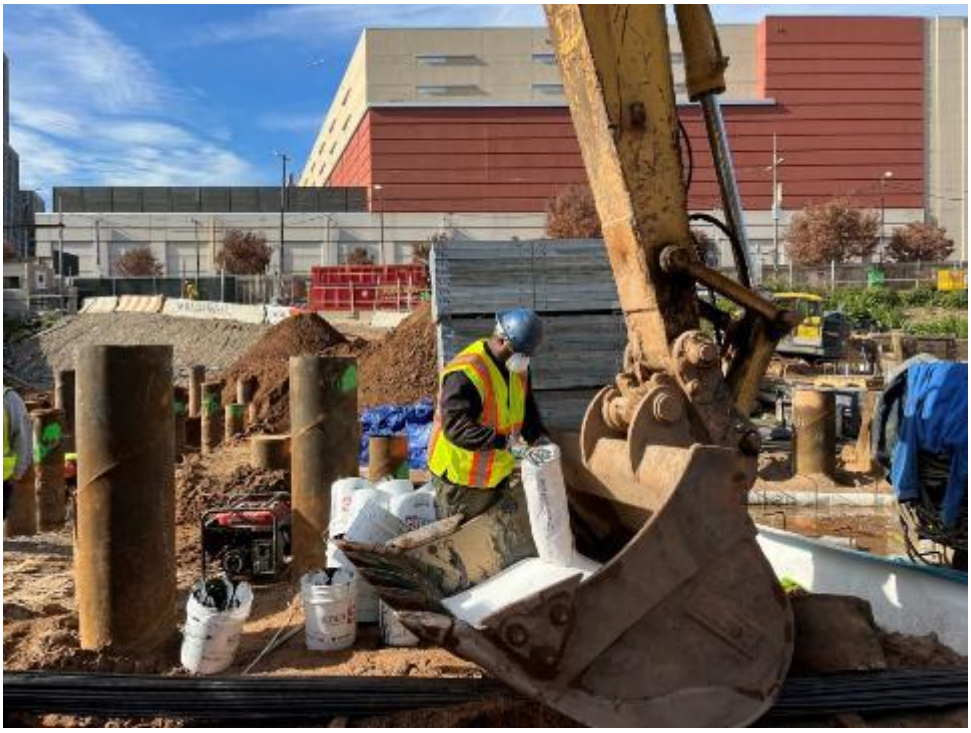


Photo No.:	Date:
32	11/15/2023

Direction Photo Taken:
South

Description:
RegenOx® was directly applied at the endpoint sample EP-13 location (i.e., the former RI soil boring SB/MW-06 location) and mixed in-situ.

Note the on-going demolition of the building to the south.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
33	11/28/2023

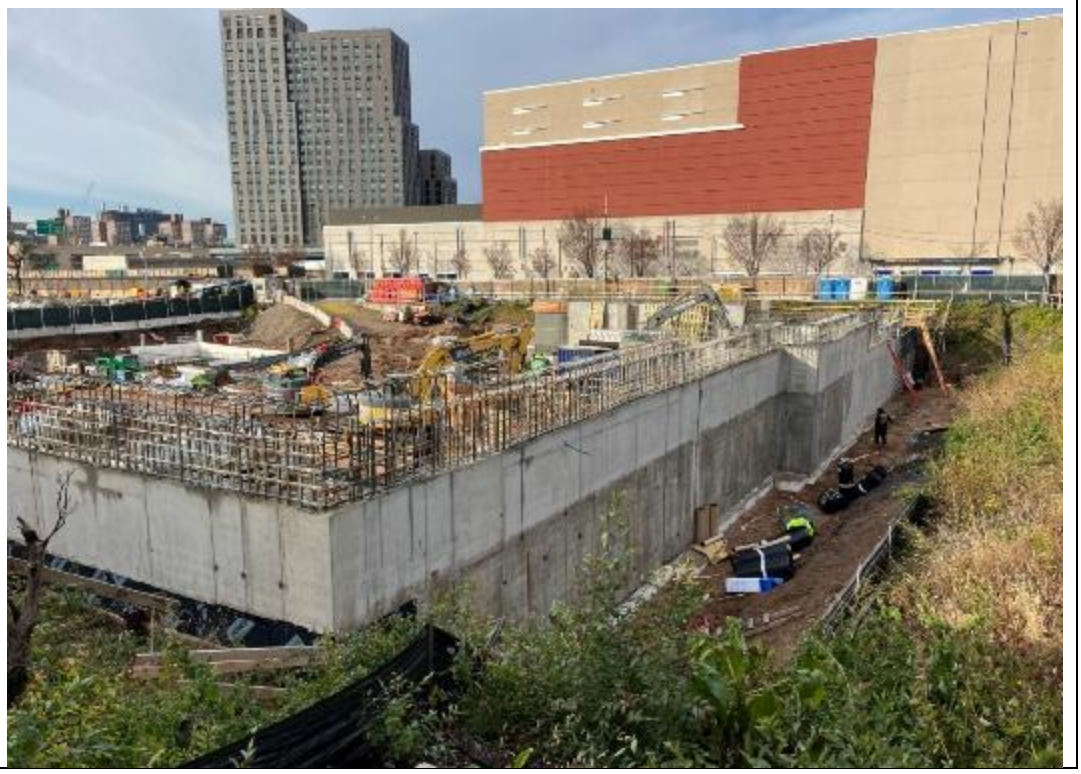
Direction Photo Taken:
West

Description:
Continue excavation and foundation footing installation

Photo No.:	Date:
34	11/28/2023

Direction Photo Taken:
Southwest

Description:
Northern subgrade wall installed



Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
35	12/04/2023

Direction Photo Taken:
Northeast

Description:
GCP Bithuthene 4000 waterproofing / vapor barrier membrane

Photo No.:	Date:
36	12/04/2023

Direction Photo Taken:
West

Description:
Installation of blindside waterproofing along northern subgrade wall.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
37	12/07/2023

Direction Photo Taken:
West

Description:
Concrete poured inside foundation

Photo No.:	Date:
38	12/11/2023

Direction Photo Taken:
North

Description:
Construction of subgrade walls along the eastern boundary.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
39	12/21/2023

Direction Photo Taken:
South

Description:
Excavation at the former EP-21 Location at the eastern portion of the Site.

Note that the building to the south was completely demolished.

Photo No.:	Date:
40	12/21/2023

Direction Photo Taken:
Northeast

Description:
Preparation of RegenOx® Part A and B direct application

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
41	12/21/2023

Direction Photo Taken:
South

Description:
RegenOx® was directly applied at the endpoint sample EP-21 location (i.e., the former RI soil boring SB-23 location) and mixed in-situ.

Photo No.:	Date:
42	12/21/2023

Direction Photo Taken:
Southeast

Description:
RegenOx® was directly applied at the endpoint sample EP-21 location (i.e., the former RI soil boring SB-23 location) and mixed in-situ.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
43	01/05/2024

Direction Photo Taken:
East

Description:
Continued excavation at the southern portion of the Site after building demolition.

Excavated material was loaded into trucks for off-site transport.

Photo No.:	Date:
44	01/16/2024

Direction Photo Taken:
Southeast

Description:
Removal of the concrete slab at the southern portion of the Site.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
45	01/18/2024

Direction Photo Taken:
South

Description:
Excavation and installation of support of excavation at the southern portion of the Site.

Photo No.:	Date:
46	01/25/2024

Direction Photo Taken:
Southeast

Description:
Driving piles at the southern portion of the Site.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
47	01/26/2024

Direction Photo Taken:
South

Description:
Excavation at the EP-38 location

Photo No.:	Date:
48	01/26/2024

Direction Photo Taken:
South

Description:
Preparation of RegenOx® Part A and B direct application.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
49	01/26/2024

Direction Photo Taken:
Southeast

Description:
RegenOx® was directly applied at the endpoint sample EP-38 location (i.e., the former RI soil boring SB/MW-04 location) and mixed in-situ.

Photo No.:	Date:
50	01/30/2024

Direction Photo Taken:
East

Description:
Removal of building demolition debris.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
51	02/01/2024

Direction Photo Taken:
Southeast

Description:
Dewatering system reinstalled at the corner of 150th Street and Gerard Avenue.

Photo No.:	Date:
52	02/23/2024

Direction Photo Taken:
South

Description:
Excavated material were covered with polysheeting

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
53	02/23/2024

Direction Photo Taken:
South

Description:
Loading excavated soil for off-site transport.

Photo No.:	Date:
54	02/23/2024

Direction Photo Taken:
Northeast

Description:
Stabilized construction entrance and truck wash.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
55	03/11/2024

Direction Photo Taken:
North

Description:
Construction of superstructure frame and the concrete vault at the northeastern portion of the Site.

Photo No.:	Date:
56	03/19/2024

Direction Photo Taken:
Southwest

Description:
Foundation construction and vapor barrier installation.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
57	03/27/2024

Direction Photo Taken:
Southeast

Description:
Soil vapor extraction (SVE) system piping installation .

Photo No.:	Date:
58	03/27/2024

Direction Photo Taken:
South

Description:
Soil vapor extraction (SVE) system piping installation .

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
59	03/30/2024

Direction Photo Taken:
Northeast

Description:
Demarcation layer (orange snow fence) placement and backfilling along the Site perimeter.

Photo No.:	Date:
60	04/08/2024

Direction Photo Taken:
Southwest

Description:
Construction of vapor barrier in foundation footings.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
61	04/19/2024

Direction Photo Taken:
Southeast

Description:
Excavation at EP-62 (i.e., the former RI soil boring SB/MW-03 location) location. In preparation for RegenOx direct application

Photo No.:	Date:
62	04/19/2024

Direction Photo Taken:
Northeast

Description:
Preparation of RegenOx® Part A and B direct application. .

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
63	04/19/2024

Direction Photo Taken:
Northeast

Description:
RegenOx® was directly applied at the endpoint sample EP-62 location (i.e., the former RI soil boring SB/MW-03 location) and mixed in-situ.

Photo No.:	Date:
64	05/06/2024

Direction Photo Taken:
South

Description:
Placement of demarcation layer at the bottom of the trench.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
65	05/14/2024

Direction Photo Taken:
North

Description:
SVE piping installation

Photo No.:	Date:
66	05/14/2024

Direction Photo Taken:
South

Description:
SVE piping installation

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
67	05/16/2024

Direction Photo Taken:
North

Description:
Backfilling SVE trench with gravel

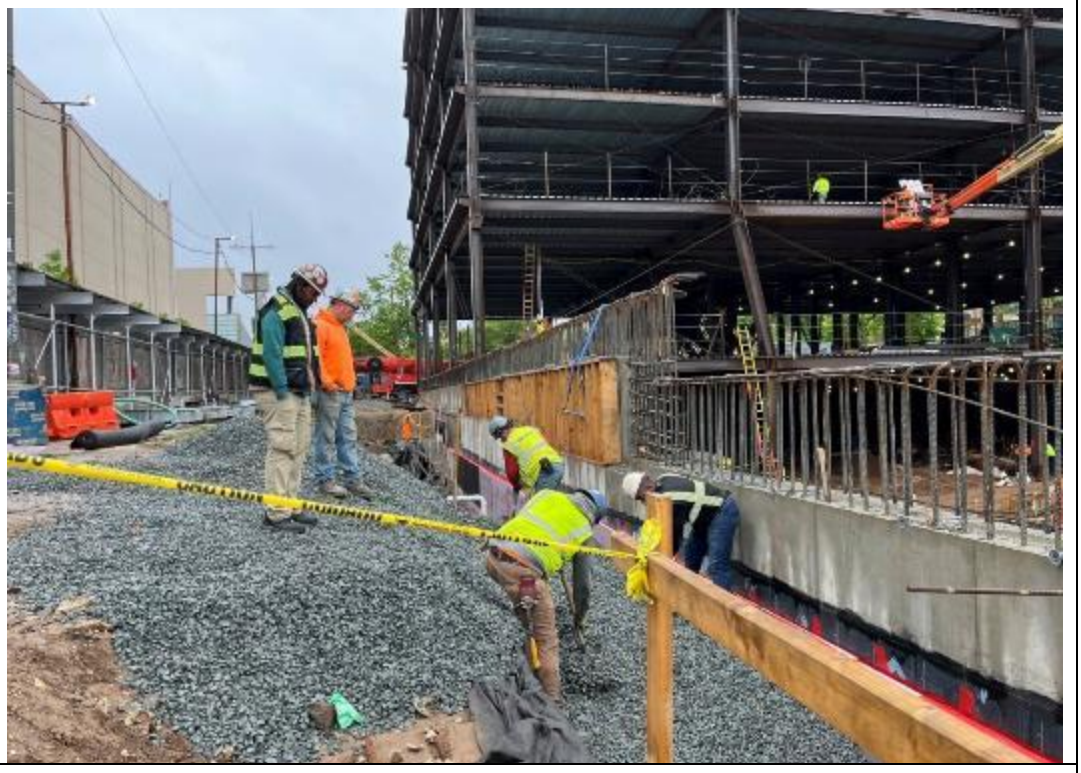
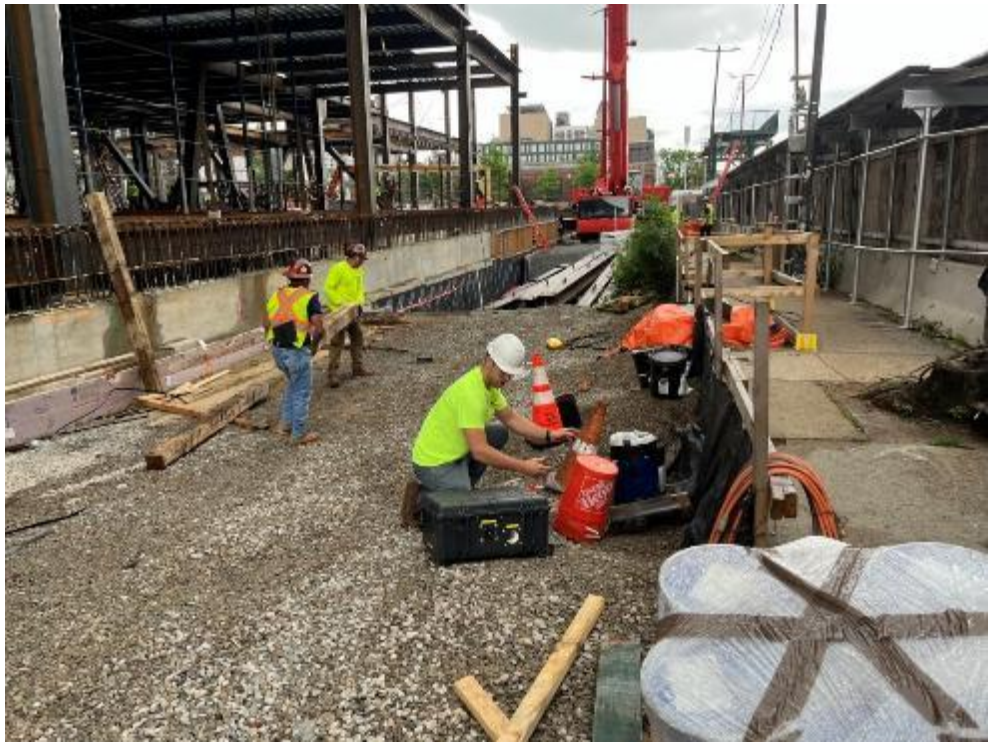


Photo No.:	Date:
68	06/06/24

Direction Photo Taken:
Northeast

Description:
Obar performed Soil Vapor Extraction system pilot test in grids A2 and A3. As part of the test, GZA collected influent and effluent air samples.



Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
69	06/12/2024

Direction Photo Taken:
Southeast

Description:
Vapor barrier placement at the southeast portion of the Site

Photo No.:	Date:
70	06/12/2024

Direction Photo Taken:
East

Description:
SSD-01 pit .

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
71	06/18/2024

Direction Photo Taken:
Northeast

Description:
Preparation of vapor barrier at the northeast portion of the Site

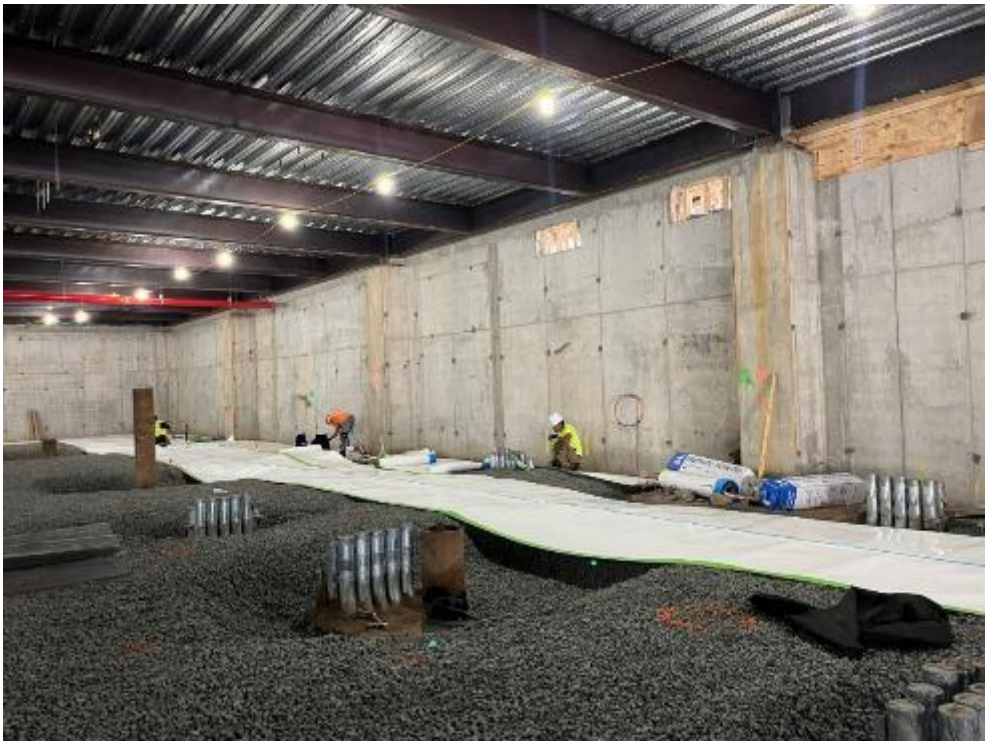
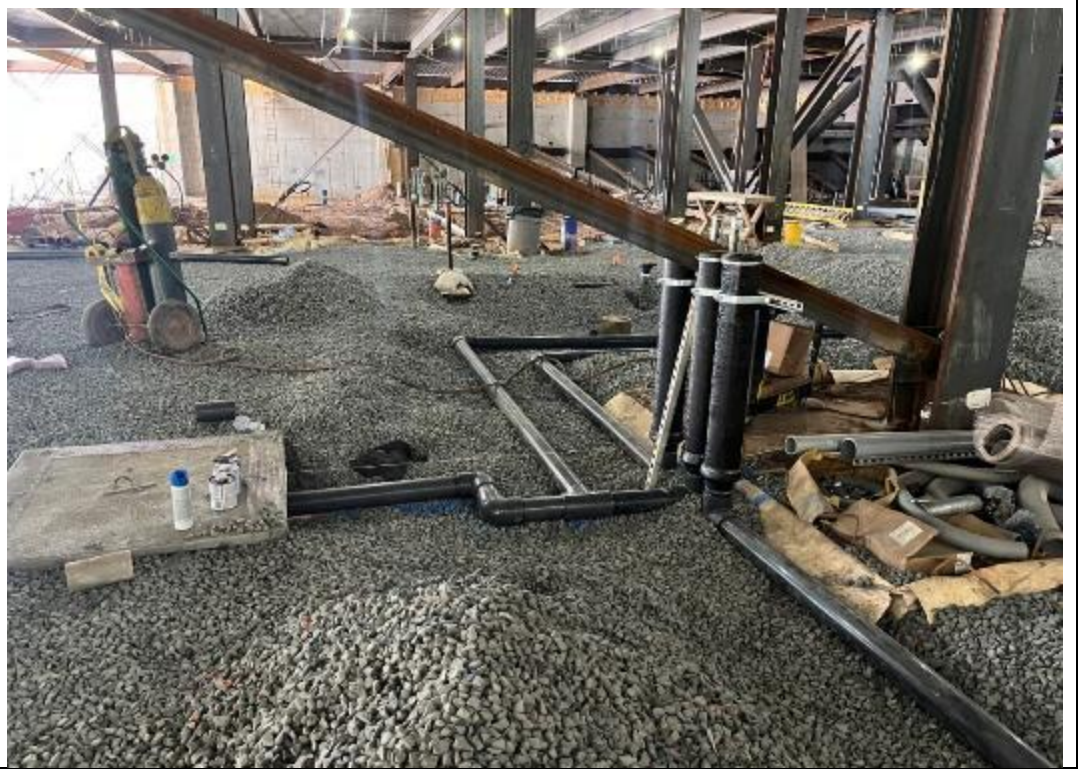


Photo No.:	Date:
72	06/18/2024

Direction Photo Taken:
West

Description:
SSDS-13 pit with piping to vertical risers VR-07, VR-06, and VR-05



Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
73	06/27/2024

Direction Photo Taken:
Northeast

Description:
Vapor barrier and rebar placement

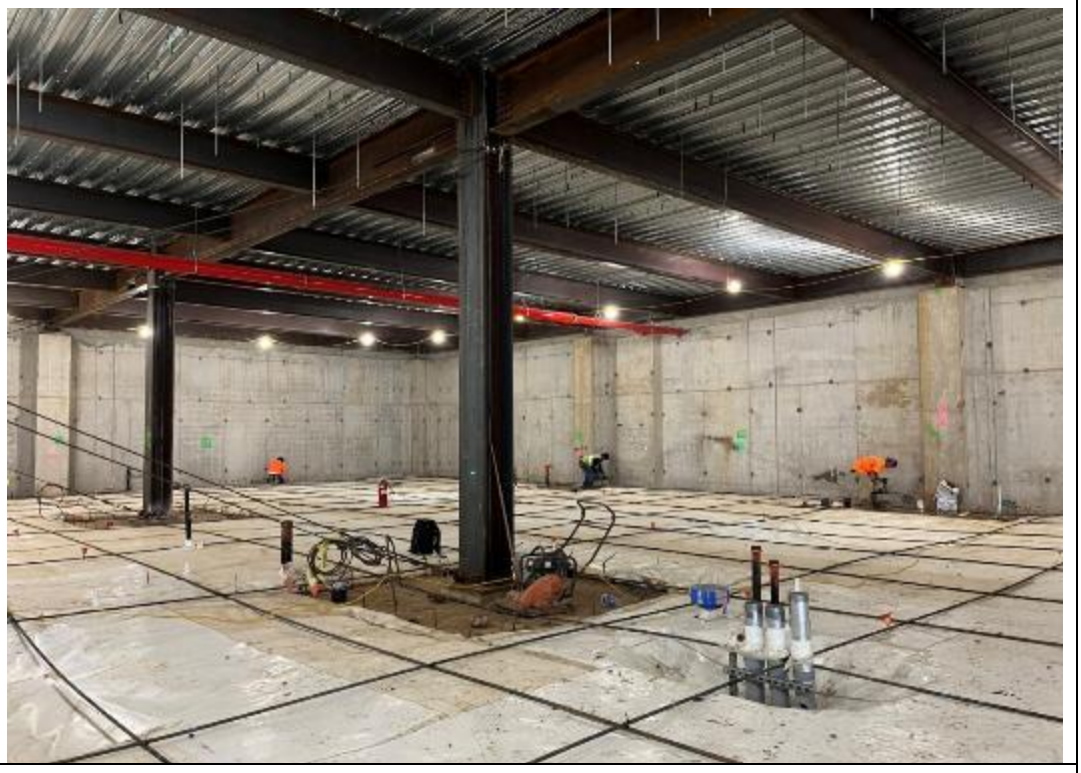
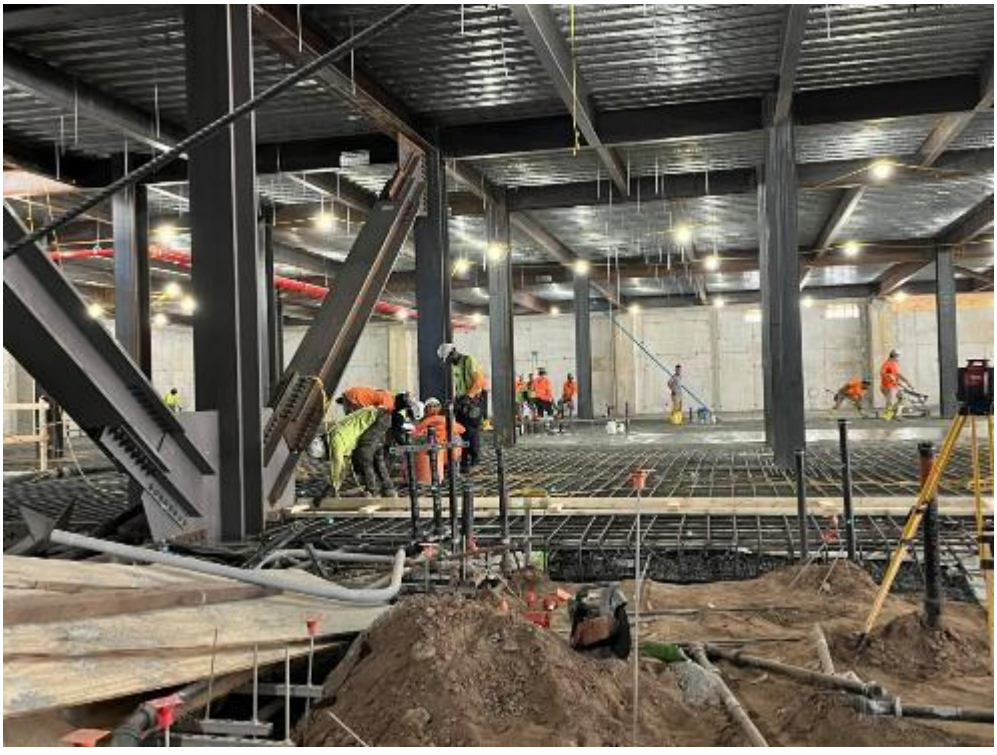


Photo No.:	Date:
74	07/03/2024

Direction Photo Taken:
East

Description:
Rebar and concrete slab installation



Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
75	07/10/2024

Direction Photo Taken:
North

Description:
Completed basement slab

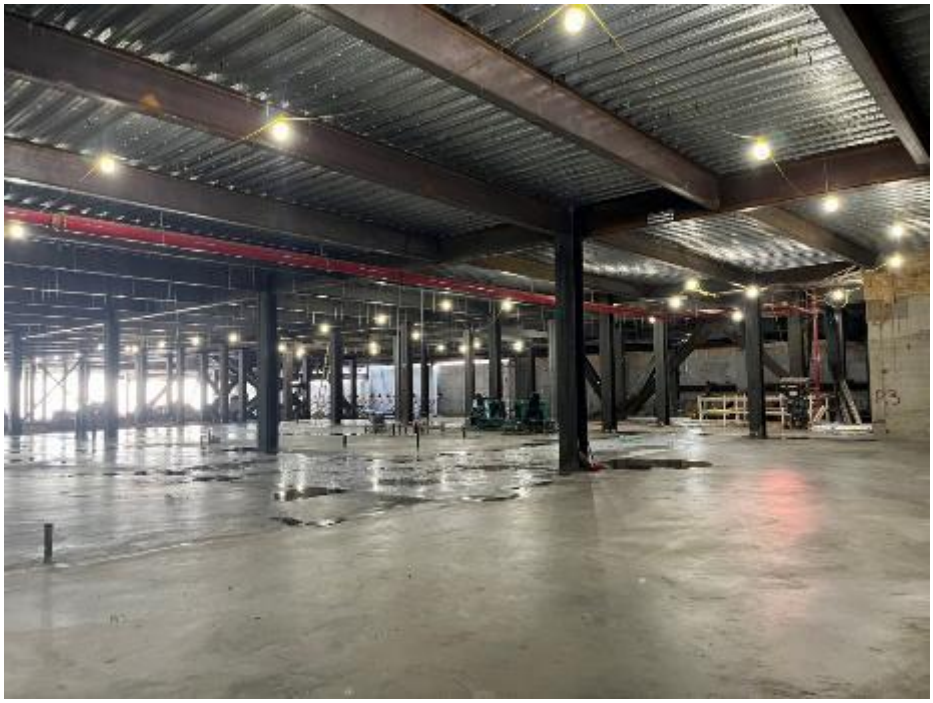


Photo No.:	Date:
76	07/10/2024

Direction Photo Taken:
Northeast

Description:
Backfilling the northern portion of the Site with Weeks Marine Pipe Sand.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
77	07/19/2024

Direction Photo Taken:
North

Description:
Construction of the subgrade wall at the southern portion of the Site .

Photo No.:	Date:
78	08/15/2024

Direction Photo Taken:
North

Description:
Continued installation of the vapor barrier at the southern portion of the Site

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
79	08/26/2024

Direction Photo Taken:
South

Description:
Completion of site cover at the eastern portion of the Site along Gerard Ave.

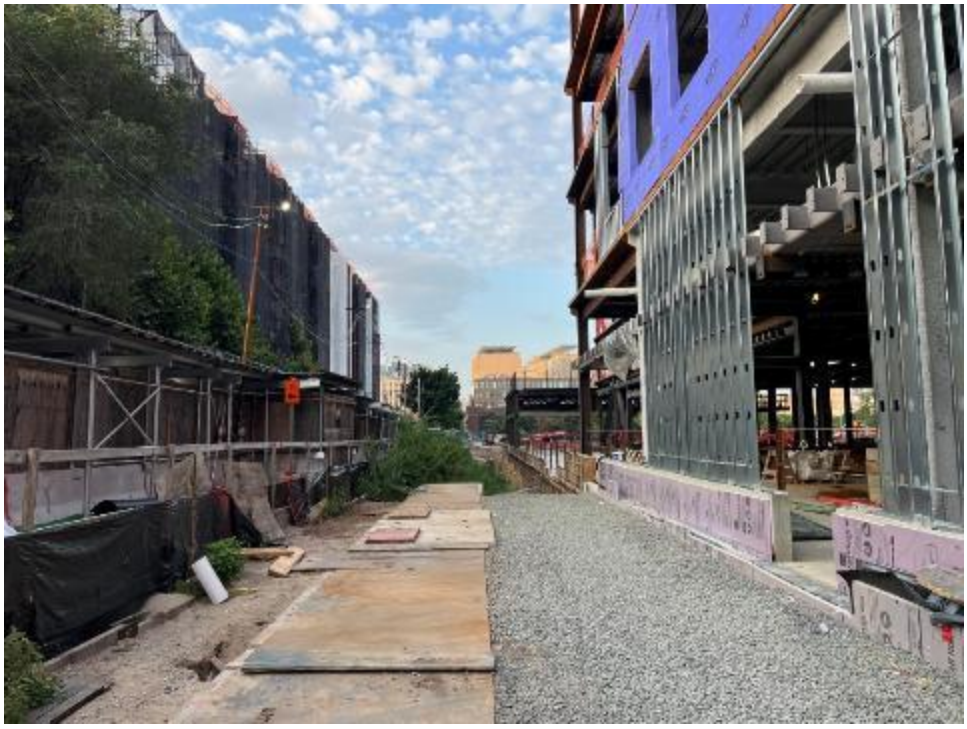


Photo No.:	Date:
80	08/26/2024

Direction Photo Taken:
North

Description:
Completion of site cover at the northern portion of the Site

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
81	06/04/2025

Direction Photo Taken:
East

Description:
Detention Tank System installed.

Photo No.:	Date:
82	06/25/2025

Direction Photo Taken:
Northwest

Description:
Detention tank backfilled and graded.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, NY 10451	41.0163097.00

Photo No.:	Date:
83	06/20/2025

Direction Photo Taken:
North

Description:
Site cover at the western portion of the Site

Photo No.:	Date:
84	10/27/2025

Direction Photo Taken:
Northeast

Description:
Completed building facade