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VOLUME I OF V

FINAL ENGINEERING REPORT

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
NYSDEC SITE # C224349

by
Haley & Aldrich of New York
New York, New York

for
2864 Atlantic Realty LLC
40 Oser Avenue, Suite 4
Hauppauge, New York 11788

File No. 0205126
December 2023

Certifications

I, Scott Underhill, 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 Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan 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 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 DER's 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, Scott A. Underhill, of H & A of New York, 213 West 35th Street, 7th Floor, New York, New York, am certifying as Owner's Designated Site Representative for the site.

Scott Underhill	*21 December 2023*	
NYS Professional Engineer # 075332	Date	Certification

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List of Acronyms

Acronyms	Definition
Alpha Analytical	Alpha Analytical Laboratories, Inc.
ASP	Analytical Services Protocol
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BMP	Best Management Practices
C&D	Concrete and demolition
CAMP	Community Air Monitoring Plan
CCR	Construction Completion Report
CHASP	Construction Health & Safety Plan
CP	Commissioner Policy
CPP	Citizen Participation Plan
CQAP	Construction Quality Assurance Plan
cu yd	Cubic yard
DD	Decision Document
DER	Division of Environmental Remediation
DO	Dissolved oxidation
DUSR	Data Usability Summary Report
Eastern Environmental	Eastern Environmental Solutions, Inc.
EC/IC	Engineering and Institutional Control
ELAP	Environmental Laboratory Approval Program
Eurofins	Eurofins Scientific
eV	Electron volt
FER	Final Engineering Report
ft bgs	Feet below ground surface
GC/CM	General Contractor/Construction Manager
Haley & Aldrich	Haley & Aldrich of New York
HASP	Health & Safety Plan
HVAC	Heating, ventilating, and air conditioning
IRMs	Interim Remedial Measures
IRMWP	Interim Remedial Measure Work Plan
ISCO	In-situ chemical oxidation
mg/L	Milligrams per liter
NAPL	Non-aqueous Phased Liquid
NYCDEP	New York City Department of Environmental Protection
NYCDOB	New York City Department of Buildings
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
ORP	Oxidation-reduction potential
OSHA	Occupational Safety & Health Administration
PBS	Petroleum Bulk Storage

PAHs	Polycyclic aromatic hydrocarbons
PCBs	Polychlorinated biphenyls
PDI	Pre-Design Investigation
PFAS	Per- and Polyfluoroalkyl Substances
PFOS	Perfluorooctanesulfonic acid
PID	Photoionization detector
PM10	Particulate matter smaller than ten micrometers in diameter
PPE	Personal protective equipment
Ppm	Parts per million
Prestige Construction	Prestige Construction NY LLC
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAOs	Remedial Action Objectives
RAWP	Remedial Action Work Plan
RCA	Recycled concrete aggregates
RCRA	Resource Conservation and Recovery Act
RE	Remedial Engineer
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
RRSCOs	Restricted Residential Soil Cleanup Objectives
S/MMP	Soils/Materials Management Plan
SCOs	Soil Cleanup Objectives
SDSs	Safety Data Sheets
SEQRA	State Environmental Quality Review Act
SMP	Site Management Plan
SOE	Support of Excavation
SOPs	Site Operating Procedures
SPDES	State Pollutant Discharge Elimination System
sq ft	Square feet
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-volatile organic compounds
SWPPP	Storm-water Pollution Prevention Plan
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leaching Procedure
TSCA	Toxic Substances Control Act
TSDFs	Treatment, storage, and disposal facility
$\mu g/m^3$	Micrograms per cubic meter
µg/L	Micrograms per liter
USTs	Underground Storage Tanks
USEPA	United States Environmental Protection Agency
UUSCOs	Unrestricted Use Soil Cleanup Objectives
VCA	Voluntary Cleanup Agreement
VOCs	Volatile Organic Compounds
York Analytical	York Analytical Laboratories

1. Background and Site Description

2864 Atlantic Realty LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in March 2022 to investigate and remediate a 0.415-acre property located in the East New York neighborhood of Kings County, Brooklyn, New York. The BCA was amended on 8 June 2022 to document change in property ownership, and again on 19 October 2023 to document that the site is an affordable housing project. The property was remediated to Conditional Track 1 unrestricted use and will be used for mixed-use (residential and commercial) purposes.

The site is identified as Block 3965 and Lot 11 on the New York City Tax Map #17c ("Site"). A project locus is provided as **Figure 1**. The approximately 0.415-acre Site is bounded by Atlantic Avenue followed by multiple mixed-use low-rise residential buildings to the north; low-rise residential buildings to the south; Jerome Street followed by low-rise residential buildings to the east; and Barbey Street followed by a multi-story residential development to the west (see **Figure 2**). The boundaries of the Site are fully described in the metes and bounds included as part of **Appendix A**.

1.1 SITE HISTORY

A review of Sanborn maps shows that the Site and adjacent properties were undeveloped prior to 1908 when it was partially developed with a two-story woodworking shop in the western portion of the property. By 1932, the woodworking shop was replaced with an auto repair shop, and a garage was developed on the southern half of the property. By the early 1950s, the former garage operated as a metal product manufacturing facility, and the former auto repair shop was occupied by a plumber. By the early 1960s, the formerly identified structures were razed, and the Site was identified as a gasoline filling station and an auto-wrecking facility partially developed with a one-story building. By 1978, the auto wrecking facility was no longer present. The entire Site was identified as a gasoline service station with a one-story commercial building in the northwest corner of the property. In the early 1980s, an overhead canopy was developed on a portion of the Site, and the Site operated as a gasoline service station (Hess and Speedway) until February 2022.

2864 Atlantic Realty LLC acquired ownership of the Site in March 2022. Demolition activities of the former gasoline filling station superstructures were completed in May 2022. In June 2022, an Interim Remedial Measure (IRM) was performed at the Site in accordance with a NYSDEC-approved Interim Remedial Measure Work Plan (IRMWP) dated March 2022. The IRM included demolition of retail petroleum operation-related superstructures; removal of five underground storage tanks (USTs); excavation, transportation, and off-site disposal of soil materials; collection of five endpoint soil samples; backfilling the excavation area with imported clean quarry stone; and updating the NYSDEC Petroleum Bulk Storage (PBS) Registry to reflect the status of the tanks as closed-removed. The summary of the IRM, including the total volume of soil disposed and stone imported to the Site, is provided in the NYSDEC-approved January 2023 Construction Completion Report (CCR) prepared by Haley & Aldrich of New York (Haley & Aldrich) which is included in **Appendix C**.

1.2 PROPOSED REDEVELOPMENT

Construction for the new development is ongoing and, when completed, the Site will be improved with a mixed-use commercial/residential, mixed-income building with a cellar level that will provide approximately 38 new affordable residential rental units pursuant to 421-a. The proposed development is compatible with the existing R8-A and C2-4 zoning.

An electronic copy of this FER with all supporting documentation is included as **Appendix B**.

2. Summary of Site Remedy

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for the Site.

2.1.1 Soil

RAOs for Public Health Protection:

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil or contaminated soil in particulate form.

RAOs for Environmental Protection:

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.2 Groundwater

RAOs for Public Health Protection:

- Prevent ingestion of groundwater with contamination levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

2.1.3 Soil Vapor

RAOs for Public Health Protection:

- Mitigate the risk of impacts to public health resulting from existing, or the potential for, soil vapor intrusion into building(s) at the Site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Remedial Action Work Plan (RAWP) dated January 2023 prepared by Haley & Aldrich, and the Decision Document (DD) dated February 2023, as a Conditional Track 1 remedy (Alternative 1) that consists of the removal of on-site soil which exceeds Unrestricted Use Soil Cleanup Objectives (UUSCOs) and the Unrestricted Use Guidance Values included in the April 2023 NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) document, as well as water treatment and provisions for a soil vapor intrusion (SVI) evaluation once the building envelope is completed. A Conditional Track 1 cleanup was achieved, under the condition that groundwater monitoring can be stopped within 5 years if data supports that contaminants present meet the Ambient Water Quality Standards (AWQS) and an installed passive

SSDS does not need to be turned on should DEC and DOH determine that the results of the SVI evaluation permit it. Prior to the implementation of the remedy, the demolition of the existing buildings was performed in May 2022. Remedial activities occurred at the Site between 1 May 2023 and 9 August 2023.

The factors considered during the selection of the remedy are those listed in 6 New York Codes, Rules and Regulations (NYCRR) 375-1.8. The following are the components of the selected remedy:

1. Development and implementation of a Construction Health & Safety Plan (CHASP) for the protection of on-site workers and a Community Air Monitoring Plan (CAMP) for the protection of community/residents, and the environment during remediation and construction activities.
2. Injection of alkaline activated persulfate (AP-pH, an in-situ chemical oxidation [ISCO] reagent) to the groundwater through injection wells and/or temporary injection points to reduce elevated petroleum-based volatile organic compound (VOC) and polycyclic aromatic hydrocarbon (PAH) concentrations in the groundwater.
3. Design and installation of support of excavation (SOE) elements to support the Track 1 cleanup excavation.
4. Implementation of soil erosion, pollution, and sediment control measures in compliance with applicable laws and regulations.
5. Removal of the existing pavement and miscellaneous debris from the Site.
6. Decommissioning on-site monitoring wells, as necessary, in accordance with NYSDEC CP-43 Policy.
7. Excavation, stockpiling, off-site transport, and disposal of about 5,500 cubic yards (cu yd) of contaminated fill that exceeds Track 1 UUSCOs. Excavation will extend to 8 feet below ground surface (ft bgs) across the entire Site to remove the contaminated fill.
8. Hotspot excavation to remove soil that exceeds Track 1 UUSCOs. Excavation will extend beyond the fill interval to approximately 14 ft bgs centered on SB-4 and SB-8 to remove metal-impacted soils and to 14 ft bgs centered on SB-12 to remove petroleum VOCs and metal-impacted soils. These localized hotspot excavations would remove an additional approximately 150 cu yd of soils from the Site to achieve Track 1 UUSCOs.
9. If encountered, removal of USTs and/or associated appurtenances (e.g., fill lines, vent line, and electrical conduit) and decommissioning and off-site disposal during redevelopment in accordance with Division of Environmental Remediation (DER)-10, 6 NYCRR Part 613.9, NYSDEC CP-51, and other applicable NYSDEC UST closure requirements.
10. Screening for indications of contamination (by visual means, odor, and monitoring photoionization detectors [PIDs]) of excavated material and pavement during intrusive site work.
11. Implementation of a preliminary waste characterization sampling to facilitate off-site disposal for the excavated soil/fill.
12. Appropriate off-site disposal of material removed from the Site in accordance with Federal, State, and local rules and regulations for handling, transport, and disposal.
13. Backfill the Site as needed by the development with certified-clean fill/soil (i.e., meeting the Allowable Constituent Levels for Imported Fill or Soil as per unrestricted use defined in DER-10 Appendix 5), recycled concrete aggregates (RCA), or virgin, native crushed stone.

14. Collection and analysis of endpoint soil samples from the Track 1 excavation base and sidewalls of hotspot excavation areas in accordance with DER-10 post-excavation to document the attainment of Track 1 remedy.
15. If the proposed end-point sample exceeds Track 1 UUSCOs, over-excavation and endpoint sampling may be performed to ensure all impacted materials have been removed from the Site.
16. Installation of five permanent monitoring wells and commencement of quarterly groundwater monitoring in accordance with DER-10 for a minimum of one year following remedial activities to document groundwater quality below the Site.
17. Completion of a Soil Vapor Intrusion (SVI) Evaluation in accordance with DER-10 and New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion following remedial activities and prior to occupancy.
18. If Track 1 Unrestricted Use is not achieved, recording of an Environmental Easement to restrict use of the site will be required.
19. If Track 1 Unrestricted Use is not achieved, the development of a Site Management Plan (SMP) for long-term management of residual contamination as required by an environmental easement will be required.

3. Interim Remedial Measures, Operable Units and Remedial Contracts

The remedy for the Site included IRMs; the demolition of retail petroleum operation-related superstructures; removal of five USTs; excavation, transportation, and off-site disposal of soil materials; collection of five endpoint samples; backfilling the excavation area with imported clean quarry stone; and updating the NYSDEC PBS Registry to reflect the status of the tanks as closed-removed.

3.1 INTERIM REMEDIAL MEASURES

An IRMWP addressing demolition, removal of petroleum USTs, and related remediation was prepared by Haley & Aldrich in March 2022 and approved in a 22 March 2022 NYSDEC-issued letter. As documented in the January 2023 CCR, demolition activities were completed in May 2022 and the balance of the IRM activities were completed from 02 June 2022 through 16 August 2022. Structures associated with the retail petroleum operations, including conveyance piping, product dispensers, and associated concrete islands, the overhead canopy, service shop/storage areas, light poles, and support bases located on the Site, were demolished. The UST area, encompassing an approximately 25-ft by 75-ft area, was excavated to an approximate depth of 17 ft below sidewalk grade (IRM excavation). A total of five USTs were cleaned, removed, and disposed of by Eastern Environmental Solutions, Inc. Approximately 180 cu yd (276.80 tons) of non-hazardous historic fill and petroleum-impacted soil associated with the USTs was removed from the Site and disposed of via Part 364-permitted trucks to the Clean Earth soil treatment & recycling facility of Carteret, New Jersey. Approximately 280 cu yd (652.42 tons) of 3/4-inch (#57) stone were imported from the Tilcon Mount Hope quarry to backfill the IRM excavation.

A total of five bottom confirmation samples were collected from the base of the UST field excavation area. Confirmation endpoint samples were collected for NYSDEC Part 375 VOCs, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, Target Analyte List (TAL) metals, and hexavalent chromium. Samples were collected on 8 June 2022 and transported via laboratory courier to Alpha Analytical. The IRM endpoint sample results were compared to UUSCOs and Restricted Residential Soil Cleanup Objectives (RRSCOs) as defined in 6 NYCRR Part 375-6 6.8. VOCs, SVOCs, pesticides, PCBs, metals, and hexavalent chromium were not detected in any samples above the UUSCOs and RRSCOs. NYSDEC approved the CCR in a letter dated 24 January 2023. The CCR is included as **Appendix C**.

The information and certifications made in the RAWP and CCR for the 2864 Atlantic Avenue Redevelopment Site (C224349) dated January 2023 and DD dated February 2023 were relied upon to prepare this report and certify that the remediation requirements for the Site have been met.

4. Description of Remedial Actions Performed

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RAWP for the 2864 Atlantic Avenue Redevelopment Site (January 2023). All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

Governing documents include the following:

- NYSDEC BCA executed on 15 March 2022
- NYSDEC-approved RAWP dated 19 January 2023
- NYSDEC DD dated February 2023

4.1.1 Site-Specific Health & Safety Plan (HASP)

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

The HASP was included as Appendix C of the RAWP and was complied with for all remedial and invasive work performed at the Site. The Site HASP included the following information:

- Organization and identification of key Site contacts
- Training and medical surveillance requirements
- List of Site hazards
- Excavation safety
- Work zone descriptions
- Personal protective equipment (PPE) requirements
- Decontamination procedures
- Community Air Monitoring Procedures
- Safety Data Sheets (SDS)

The HASP did not include general or Site-specific construction-related or general industry safety information, which was the responsibility of Prestige Construction NY LLC (Prestige Construction), the General Contractor (GC).

The Construction Site Safety Coordinator was a qualified representative of GRD Safety, Inc. who developed and implemented its own Site-specific CHASP as required by OSHA. During remedial construction, a representative of Haley & Aldrich was present for additional health and safety observation.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix G of the RAWP approved in February 2023 by the NYSDEC. 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. Analytical Services Protocol (ASP) Category B deliverables were prepared for remedial performance samples collected during remedial construction. Data Usability Summary Reports (DUSRs) were prepared by a qualified data validator and are provided in **Appendix K**.

The QAPP managed the performance of the Remedial Action tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The QAAP 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.

The Volunteer engaged Prestige Construction as their General Contractor/Construction Manager (GC/CM) representative to implement the remedial activities. The GC/CM and their selected contractors were responsible for construction quality as the remedy was completed. A list of engineering personnel involved with the QAPP, and a description of procedures conducted during the remedy implementation are provided below:

Remedial Engineer (RE):	Scott A. Underhill, P.E.
Project Manager/Field Team Leader:	Matthew Levy
Haley & Aldrich Safety Officer:	Brian Ferguson
Site Safety Coordinator:	PJ DiNardo
Qualified Environmental Professional (QEP):	James Bellew
Field Staff Members:	Adam Quick, Hailey Russell, Jackson Gillespie, Nicholas Manzione, Nicole Mooney
Quality Assurance Officer:	Mari Cate Conlon

The RE and QEP directly supervised field staff that were on-site during the remedial activities, including tank excavation and removal, injection and monitoring well installation, field screening of excavations, soil/fill excavation, confirmation endpoint collection, and CAMP implementation. The RE and QEP reviewed Site development activities to verify conformance to the RAWP. Field staff documented daily field activities in field books or report logs which were directly uploaded to the project server. Daily and monthly reports summarizing the remedial activities with supporting photo documentation were submitted to the NYSDEC and NYSDOH. Copies of the daily and monthly reports are included in **Appendix F**.

4.1.3 Soil/Materials Management Plan (S/MMP)

The S/MMP (Section 5.4 of the RAWP) includes detailed plans for managing soil/materials, specifically urban fill, non-hazardous soil (i.e., soil that is not classified as hazardous under the Resource Conservation and Recovery Act [RCRA] or the Toxic Substances Control Act [TSCA]), and lead-impacted hazardous soil, that were disturbed during implementation of the remedy, including excavation, handling, storage, transport, and disposal. The S/MMP also includes controls for effective nuisance-free performance of these activities in compliance with applicable Federal, State, and local laws and regulations.

Excavation was conducted in accordance with the S/MMP, using conventional excavation equipment (CAT 314E, Komatsu PC300 LC-7) to the final remedial excavation depths, which ranged from approximately 8 to 14 ft bgs sitewide. Excavation structural support consisted of underpinning, sheet piling, timber lagging, waling beams, tiebacks, and steel raker beams along the Site boundary.

4.1.3.1 Waste Characterization

Waste characterization soil samples were collected prior to the commencement of excavation activities to allow the soil/fill to be loaded directly onto trucks for transport to the disposal facility. The waste characterization sampling event was performed on 04 October 2022 and comprised a total of 20 soil borings advanced to 15 to 25 ft bgs. Six additional borings were advanced in areas previously identified with total lead concentrations over 100 parts per million (ppm). Based on an evaluation of the sampling protocols for potential off-site disposal facilities, a sampling frequency of one sample set per 750 cu yd was designated. The Site was divided into four lateral grids (identified as WC-A1, WC-A2, WC-B-1, and WC-B2) and four vertical layers: 0-to-5 ft bgs, 5-to-10 ft bgs, 10-to-15 ft bgs, and 15-to-20 ft bgs. Five borings were advanced in each lateral grid. Thirteen discrete and 13 composite soil samples were collected as part of the waste characterization and submitted for analysis. A list of waste characterization samples by area and/or material type is provided in **Table II**. The waste characterization sampling locations are shown in **Figure 3**. Waste characterization sampling documentation is included in **Appendix H**.

During the waste characterization sampling event, Haley & Aldrich also collected a total of six samples for total and Toxicity Characteristic Leaching Procedure (TCLP) lead analysis which included the installation of six soil borings between 2 and 5 ft bgs. Samples were collected for total and TCLP lead analysis at areas previously identified with total lead concentrations over 100 ppm. Soil samples were collected from Phase II ESI borings at the following locations and depths (in ft bgs): B2(1-3), B7(0-2), B8(0-2), B9(3-5), B10(0-2), and B11(0-2). Lead sample soil boring locations are shown in **Figure 3**.

Delineation of lead-impacted hazardous soil identified in soil boring B9 at 3-to-5 ft bgs was conducted on 02 November 2022 and 28 April 2023. Analytical results of lead using the TCLP in sample B9(3-5) reported a concentration of 12.2 milligrams per liter (mg/L), which exceeds the RCRA Toxicity Characteristic Regulatory Level of 5 mg/L and classifies the waste as hazardous. Delineation activities included advancing one boring at B9 to the 5-to-7 ft bgs layer for vertical delineation and advancing four borings to the 0-to-3 ft bgs layer approximately 5 ft north, south, east, and west of B9 for horizontal delineation. Analytical results of delineation samples did not exceed the RCRA Toxicity Characteristic Regulatory Level of 5 mg/L and were not classified as hazardous. Hazardous lead delineation sampling documentation is included in **Appendix H**.

4.1.3.2 Soil Screening

Soils were periodically screened for visual and olfactory evidence of contamination. No visual indications of contamination were observed.

4.1.3.3 Stockpiling

Soils temporarily stockpiled on-site were covered with 6-mil polyethylene sheeting in between soil disposal events. Stockpiles were observed weekly at minimum and after storm events, and damaged polyethylene sheeting covers were promptly replaced. Polyethylene sheeting was secured in such a manner as to drain runoff toward the interior of the property.

4.1.3.4 *Materials Excavation and Load Out*

Loaded vehicles leaving the Site were appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and other applicable transportation requirements).

Trucks containing soil leaving the Site were designated into two categories:

- Hazardous Contaminated Soil (i.e., TCLP lead greater than 5.0 mg/L) was sent to Clean Earth of North Jersey located at 105 Jacobus Avenue, Kearny, New Jersey
- Non-Hazardous Petroleum-Contaminated Soil (soil greater than UUSCOs) was sent to Bayshore Soil Management LLC located at 75 Crows Mill Road, Keasbey, New Jersey

Hazardous contaminated soil was shipped under a hazardous waste manifest system (the United States Environmental Protection Agency [USEPA] identification number NYR000260265). Non-hazardous contaminated soil was handled, at a minimum, as a Municipal Solid Waste per 6 NYCRR Part 360-1.2. Disposal facility permits are included in **Appendix H**.

Trucks utilized for the transport of hazardous or non-hazardous soil were weighed before and after unloading at the disposal facility. Waste disposal documentation is included in **Appendix H**.

Concrete and demolition (C&D) material generated on the Site from building slabs, parking areas, and other structures was segregated, sized, and shipped to the following facilities:

- Mount Materials, LLC, a concrete recycling facility located in Fairless Hills, Pennsylvania.
- Allocco Recycling, a concrete recycling facility located in Brooklyn, New York.
- Scott Avenue Recycling, a concrete recycling facility located in Brooklyn, New York.

A Bill of Lading system or equivalent was used for the disposal of C&D materials.

4.1.3.5 *Traffic Control*

Transport of materials was performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers were appropriately licensed and trucks were properly placarded. Trucks followed a different route than the route set forth in the RAWP due to accessibility issues. Vehicles entered and exited the Site from the northwest corner on Barbey Street from designated points of egress along the western boundary of the Site. Trucks were not permitted to idle in residential neighborhoods near the Site. Part 364 permits are included in **Appendix H**.

4.1.3.6 *Fluids Management*

Construction dewatering was not required to reach the remedial excavation depth.

4.1.3.7 *Materials Reuse*

Material was not reused as part of the remedial action.

4.1.4 Storm-Water Pollution Prevention Plan (SWPPP)

A SWPPP was not required because the project disturbed less than one acre and stormwater discharge was to a combined sewer in accordance with the New York City generic State Pollutant Discharge Elimination System (SPDES) permit. Since earthwork was completed below the adjacent sidewalk grade, full-time erosion and sedimentation measures were not required. Best Management Practices (BMPs) for soil erosion were selected and implemented, as needed, to minimize erosion and sedimentation off-site, including but not limited to, hay bales installed around the Site perimeter as needed and checked daily, truck tracking pad replaced as needed, and truck wheel washing prior to leaving the Site.

4.1.5 CAMP and Special Requirements CAMP

Air monitoring was performed in accordance with the Site-specific CAMP, which was included as Appendix H in the RAWP. The CAMP provided measures for protection for on-site workers and the downwind community (i.e., off-site receptors including residences, businesses, and on-site workers not directly involved in the remedial work) from potential airborne contaminant releases resulting from remedial activities at construction sites. Monitoring for dust and VOCs was conducted during ground intrusive activities by field staff under the direct supervision of the RE and QEP. The CAMP included real-time monitoring for VOCs and particulate matter smaller than ten micrometers in diameter (PM10) at upwind and downwind perimeters of the Site during intrusive activities including: tank excavation and removal, dewatering well installation, break up of existing concrete slabs and foundations, soil/fill excavation and load-out, SOE installation, and earthwork associated with foundation construction. Community Air Monitoring began at the Site on 1 May 2023 and continued until ground intrusive activities were completed on 9 August 2023.

Monitoring for VOC levels (in ppm) and for PM10 (in micrograms per cubic meter [$\mu g/m^3$]) was conducted with Aeroqual AQS Systems from Specto Technology with data logging directly to Aeroqual Cloud, an air quality monitoring software and data portal. A MiniRAE® 3000 PID was used to monitor the work zone and stockpiles. Field staff visually monitored ambient air conditions at the Site perimeter to check for visible dust emissions and, if observed, mitigation measures were implemented as needed. Preventative measures for dust generation implemented by the contractor included wetting surficial soil and surrounding work areas and covering surficial soil with polyethylene sheeting.

Action levels used for the protection of the community and visitors were set forth in the CAMP. The particulate action level was set at 150 micrograms of dust per cubic meter of air ($\mu g/m^3$) above background for a 15-minute average, and the VOC action level was set at 5 ppm above background for a 15-minute average. Aeroqual AQS systems were monitored each day during the implementation of the RAWP. Fifteen-minute running averages were calculated from the data recorded directly to Aeroqual Cloud and were compared to the action levels specified in the CAMP.

A Special Requirements CAMP was also implemented since work areas were within 20 ft of the south-adjacent residential buildings. The Special Requirements CAMP measures for protection for the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The action levels for the Special Requirements CAMP are specified below:

- If total VOC concentrations along the walls of occupied structures or next to the intake vents exceeded 1 ppm, then monitoring was conducted within the occupied structure. Background readings in the occupied spaces were taken prior to the commencement of the planned work.
- If total particulate concentrations along walls of occupied structures or next to intake vents exceeded 150 $\mu g/m^3$ above background concentrations, work activities were suspended until controls were implemented and reduced the total particulate concentration below 150 $\mu g/m^3$ above background concentrations and prevented visible dust migration by using water to dampen the surrounding area.

Results of the CAMP monitoring are discussed in Section 4.2.5.

4.1.6 Contractors Site Operations Plans (SOPs)

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 RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work and are included in **Appendix N**

4.1.7 Citizen Participation Plan (CPP)

The NYSDEC-approved CPP established a protocol for citizen participation, including creating a document repository to contain applicable project documents. No changes were made to Fact Sheets authorized for release by NYSDEC. Fact sheets were distributed to the Site contact list by mail.

A February 2023 Fact Sheet described the planned cleanup activities.

Document repositories were established at the following locations and contain applicable project documents:

DECinfo Locator
https://www.dec.ny.gov/data/DecDocs/C224349/

Brooklyn Public Library – Cypress Hills Branch
1197 Sutter Avenue at Crystal Street
Brooklyn, New York 11208
718.277.6004

Brooklyn Community Board 5
127 Pennsylvania Avenue, 2nd Floor
Brooklyn, New York 11207
718.819.5487

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Name	Role	Contact	Information
Haley & Aldrich of New York	RE/QEP consultant responsible for overseeing proper implementation of the RAWP, data validation, and certification of the FER.	Scott Underhill	sunderhill@haleyaldrich.com
Prestige Construction	GC responsible for implementing the majority of actions detailed in the RAWP.	Tovia Kohen	tovia@prestigenyllc.com
GRD Safety	Contractor responsible for Site safety oversight.	Glenn Little	info@grdsafety.com
Braga Construction Company, Inc.	Contractor responsible for Site preparation, soil excavation, SOE installation, and subgrade preparation for foundation slab installation.	Henry Pereira	henry@bragaconcrete.com
Raptor Concrete LLC	Contractor responsible for concrete work.	Jonathan Rocchio	646.879.1449
Blanco Drilling Inc.	Contractor responsible for Site preparation, soil excavation, SOE installation, and subgrade preparation for foundation slab installation.	Gabriel Blanco	917.977.0542
A1 Seal USA	Contractor responsible for the installation of vapor and waterproofing barrier.	Sam Grunblatt	718.831.7300
Clean Earth	Soil transport and disposal broker responsible for coordinating approvals for disposal of material as stipulated in the RAWP.	Kaila Ilyes	Kilyes@harsco.com
YESS Trucking & Disposal	Soil transport and disposal and import material broker responsible for coordinating approvals for disposal and import of material as stipulated in the RAWP.	Isaac Danesh	isaac@yessdisposal.com

Name	Role	Contact	Information
Eastern Environmental Solutions, Inc. (Eastern Environmental)	Subcontractor responsible for cleaning, removing, and decommissioning the USTs encountered during implementation of the RAWP.	Scott Hamarich	scotthamarich@easternenviro.com
Alpha Analytical Laboratories, Inc. (Alpha Analytical)	An Environmental Laboratory Approval Program (ELAP)-certified laboratory responsible for analyzing waste characterization and confirmatory endpoint samples as required by the RAWP.	Mitch Ostrowski	mostrowski@alphalab.com
Eurofins Scientific (Eurofins)	An ELAP-certified laboratory responsible for analyzing waste characterization and confirmatory endpoint samples as required by the RAWP.	Melissa Haas	Melissa.haas@et.eurofinsus.com
York Analytical Laboratories (York Analytical)	An ELAP-certified laboratory responsible for analyzing confirmatory endpoint samples as required by the RAWP.	Scott Hall	shall@yorklab.com

4.2.2 Site Preparation

A pre-construction meeting was held with NYSDEC and all contractors on 20 March 2023.

As part of the IRM, demolition of structures associated with the retail petroleum operations was performed in May 2022, prior to contractor mobilization for the remedial action the week of 1 May 2023. The Remediation Contractor completed the following tasks during mobilization and Site preparation:

- Mobilized necessary remediation personnel, equipment, and materials;
- Constructed two stabilized construction entrances, one located on the northwestern boundary of the Site along Barbey Street and one on the northeastern boundary of the Site along Atlantic Avenue;
- Installed erosion and sediment control measures (e.g., hay bales) in accordance with the construction specifications; and,
- Obtained agency approvals and permits, including New York City Department of Buildings (NYCDOB), New York City Department of Environmental Protection (NYCDEP), and NYSDEC permits or permit equivalents.

Documentation of all agency approvals and permits required to implement the RAWP is included in **Appendix D**.

All State Environmental Quality Review Act (SEQRA) requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this Remedial Action.

4.2.3 General Site Controls

The Site was secured during the remedial activities as follows:

- Security fencing was installed at the perimeter of the Site to prevent access by unauthorized persons;
- Security cameras along the Site perimeter were monitored regularly throughout the remedial activities;
- Equipment was stored in secured trailers or chained to security fencing;
- Safe work practices, such as organized work areas, regular health and safety check-ins, and proper equipment storage, were employed; and
- Soil stockpiles containing petroleum-impacted material were screened daily with a PID and evaluated against the VOC action level of 5 ppm. BMPs for soil erosion were selected and implemented, as needed, to mitigate erosion and sedimentation off-site. Truck egress points were inspected throughout the day and adjoining streets and sidewalks were kept free of residual soil/fill from excavation activities on Site.

See Section 4.2.6 for record keeping.

4.2.4 Nuisance Controls

4.2.4.1 Truck Wash and Egress Housekeeping/Truck Routing

An outbound-truck inspection station was set up at the Site stabilized construction entrance/exit. Before exiting the Site, trucks were required to stop at the truck inspection station and were examined for evidence of contaminated soil on the undercarriage, body, and wheels. If observed, soil and debris were removed. Brooms, shovels, and potable water were utilized for the removal of soil from vehicles and equipment, as necessary.

4.2.4.2 Dust Control

A dust suppression plan that addressed dust management during invasive on-site work, included the items listed below:

- Dust suppression was achieved though spraying water directly onto off-road areas including excavations and stockpiles, as needed;

- Gravel was used on ingress/egress and Site roadways to provide a clean and dust-free road surface; and,
- On-site roads were limited in total area to minimize the area required for water application.

4.2.4.3 Odor Control

The odor control plan described in the RAWP was capable of controlling emissions of nuisance odors off-site and on-site. Nuisance odors were not identified during the implementation of the RAWP.

4.2.4.4 Responding to Complaints

No complaints were documented during the implementation of the RAWP.

4.2.5 CAMP Results

CAMP monitoring for VOCs and dust was performed at three locations on Site during the entire implementation of the RAWP, in accordance with the Site-specific CAMP and the Special Requirements CAMP. CAMP Stations 2 and 3 were placed near the southern border of the Site near residential buildings within 20 ft of the work area, as required by the Special Requirements CAMP. The location of Station 1, and the choice as to which stations constituted the upwind and downwind CAMP stations, were determined based on daily construction activities and wind directions.

CAMP results were generally within the action limits set forth in the CAMP, which was contained in the RAWP. Exceedances of action levels or errors that occurred, and corrective actions taken, are summarized in **Table III** and were typically attributed to equipment malfunctions, vehicle or equipment operation in the vicinity of air monitoring stations, and/or localized dust due to concrete removals and sheet piling drilling.

Copies of all field data sheets relating to the CAMP are provided in electronic format in **Appendix E**.

4.2.6 Reporting

Haley & Aldrich field personnel, under the supervision of the RE, recorded Site observations daily. These observations were used to track remediation progress, compliance with the RAWP, memorialize deviations from the RAWP, and summarize completed remedial actions. Daily and monthly progress reports were submitted to the NYSDEC and NYSDOH electronically. The reports generally included the following:

- An update of progress made during the reporting day;
- A summary of any complaints with relevant details (names, phone numbers);
- A summary of CAMP findings, including exceedances;
- Sampling results;
- Description of approved modifications;
- Schedule updates including percentage of project completion and any project delays; and
- An explanation of notable Site conditions.

All daily and monthly reports are included in electronic format in **Appendix F**.

The digital photo log required by the RAWP is included in electronic format in **Appendix G**.

4.3 CONTAMINATED MATERIALS REMOVAL/REMEDIATION

The remedial action included the following material removals:

- Demolition of existing Site buildings, structures, and the concrete slab beneath the buildings;
- Removal of five USTs including decommissioning and off-site disposal in accordance with DER-10, 6 NYCRR Part 613.9, NYSDEC CP-51, and other applicable NYSDEC UST closure requirements;
- Excavation and off-site disposal of hazardous lead-impacted soil/fill;
- Excavation and off-site disposal of non-hazardous soil/fill above UUSCOs/PFAS Guidance Values; and,
- Excavation and off-site disposal of other materials, including non-impacted C&D materials.

A list of the soil cleanup objectives (SCOs) and PFAS Guidance Values for the contaminants of concern for this project is provided in **Table I**.

A figure of the location of original sources and areas where excavations were performed is shown **in Figure 4**. The tank locations and corresponding documentation sample location are shown in **Figure 5**. Remedial excavation cross sections are shown in Figure 12.

4.3.1 Building Demolition

The former Site buildings were demolished in May 2022. This work was performed following approval of the IRMWP to facilitate foundation contractor mobilization, SOE installation, and commencement of remedial excavation.

4.3.2 USTs and Contents

A total of five underground storage tanks were encountered during remediation activities at the Site, which included four 550-gallon USTs containing a gasoline/water mixture and one empty 550-gallon UST. A total of approximately 1,690 gallons of gasoline/water mixture and 400 pounds of solids were removed from the USTs and disposed of at Clean Water of New York in Staten Island, New York. The tanks were cleaned, cut, and removed by Eastern Environmental and recycled at Gershow Recycling in Medford, New York. **Table VI** summarizes the details of the tanks including volume, contents, date encountered, and date removed from the Site. An affidavit from Eastern Environmental for tank removal and a certificate of destruction is provided in **Appendix I**. The NYSDEC PBS registration update for the USTs removal and closure (Site No. 2-297747) was submitted to NYSDEC on 08 September 2023 and the PBS database was updated reflecting the change of status of the USTs to "Closed-Removed." Registration paperwork was submitted to the NYSDEC PBS program on 12 September 2023. The NYSDEC PBS Unit is processing the application to add Tanks # UST-044 through UST-048 to the registration and update them to Closed-Removed as requested by Haley & Aldrich. Correspondence is included in **Appendix I**. A confirmation endpoint sample was taken from beneath the bottom of the USTs at 5 ft bgs. Sidewall samples were not taken because the remedy called for excavation of the Site to 8 ft bgs sitewide. Confirmation endpoint samples within vicinity of the USTs were collected at 8 ft bgs and achieved Track I UUSCOs.

4.3.3 Remedial Soil/Fill Material Removed

A remedial total of approximately 9,440 tons (approximately 5,930 cu yd) of soil/fill material was removed from the Site, with no material exceeding the UUSCOs/PFAS Guidance Values remaining at the Site, area including 9,334.13 tons (approximately 5,930 cu yd) of non-hazardous soil/urban fill and 105.87 tons (approximately 70 cu yd) of hazardous soil. Off-site soil/waste disposal volumes and facilities are summarized in **Table IV**. Waste disposal documentation is included in **Appendix H**.

Remedial excavation to remove non-hazardous soil generally extended to a depth of 8 ft bgs sitewide (grids represented by EP-1 through EP-20) and to 14 ft bgs in three 15 ft by 15 ft isolated areas in the northern, northeastern, and western parts of the Site (grids represented by EP-HS-1, EP-HS-2, and EP-HS-3). The following over-excavation areas were required to meet UUSCOs/PFAS Guidance Values including:

- Endpoint sample EP-5 contained concentrations of one pesticide (4,4'-DDT) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-5 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-5. This over-excavation totaled approximately 70 cu yd.
- Endpoint sample EP-10 contained concentrations of PFAS exceeding Guidance Values at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-10 was over-excavated 5 ft, resampled from 13 to 13.5 ft bgs, and analyzed for the specific parameters that previously exceeded PFAS Guidance Values. Analytical results were below the PFAS Guidance Values for the sample collected from 13 to 13.5 ft bgs at EP-10. This over-excavation totaled approximately 170 cu yd.
- Endpoint sample EP-13 contained concentrations of one metal (lead) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-13 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-13. This over-excavation totaled approximately 70 cu yd.
- Endpoint sample EP-15 contained concentrations of one pesticide (4,4'-DDT) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-15 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-15. This over-excavation totaled approximately 70 cu yd.
- Sidewall sample SW-12 contained concentrations of one metal (Mercury) exceeding UUSCOs at 13 to 13.5 ft bgs. The area was over-excavated to extend the sidewall of EP-HS-3 2 ft to the west, resampled (SW-12A), and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected. This over-excavation totaled approximately 10 cu yd.

Off-site soil/waste disposal volumes and facilities are summarized in **Table IV**. Waste disposal documentation is included in **Appendix F**. Track 1 UUSCOs/PFAS Guidance Values were achieved as shown in **Table V**. A figure showing the completed remedial excavation extents and depths is presented as **Figure 4**.

A total of approximately 520 cu yd of C&D debris was also removed from the remedial excavation area.

4.3.3.1 Disposal Details

Initial waste characterization sampling was performed by Haley & Aldrich in October 2022, and delineation of lead-impacted hazardous soil was performed by Haley & Aldrich in November 2022 and April 2023. Waste characterization disposal grids are shown in **Figure 3**. Soil waste characterization sampling documentation is included in **Appendix H**.

A remedial total of 9,440 tons (approximately 5,930 cu yd) of soil/fill was removed from the Site including the following:

- 105.87 tons (approximately 70 cu yd) of hazardous soil
- 9,334.13 tons (approximately 5,930 cu yd) of non-hazardous soil

A total of approximately 520 cu yd of C&D debris was also removed from the remedial excavation area.

Table IV shows the total quantities of each category of material removed from the Site and the disposal locations. A summary of the samples collected to characterize the waste, and associated analytical results, are summarized on **Table II** and **Appendix H.**

Letters from applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in **Appendix H**.

Manifests and bills of lading are included in **Appendix H**.

The following sections provide a summary of excavated soil/fill and miscellaneous materials removed from the Site during RAWP implementation.

4.3.3.2 Non-Hazardous Remedial Soil

A total of 9,334.13 tons (approximately 5,860 cu yd) of non-hazardous soil was excavated and transported off-site between 11 May 2023 and 27 June 2023 to Bayshore Soil Management, LLC located at 75 Crows Mill Road, Keasbey, New Jersey.

4.3.3.3 Hazardous Soil

A total of 105.87 tons (approximately 70 cu yd) of hazardous soil was excavated and transported off-site between 1 June 2023 and 5 June 2023 to Clean Earth of North Jersey located at 115 Jacobus Avenue, Kearny, New Jersey.

4.3.3.4 Construction and Demolition Debris Removal

Approximately 520 cu yd of non-impacted concrete and brick were disposed of off-site at the following facilities:

- Allocco Recycling LTD in Brooklyn, New York
- Scott Ave Recycling in Brooklyn, New York (NYSDEC Part 360-Registered Facility)
- Mount Materials, LLC in Fairless Hills, Pennsylvania (NYSDEC Part 360-Registered Facility).

4.3.3.5 On-Site Reuse

On-site reuse of soil was not part of remedial action at the Site.

4.3.4 Groundwater Remediation

The RAWP included the injection of AP-pH into the groundwater through injection wells and/or temporary injection points to reduce elevated petroleum-based VOC and PAH concentrations in the groundwater. A single injection event occurred from 02 May 2023 to 10 May 2023, during which AP-pH was injected into the groundwater via injection points from 30 to 50 ft bgs. The reagents were oxidate sodium persulfate and base sodium hydroxide. The product specification sheets of AP-pH are included in **Appendix M** of the RAWP. The injection point locations are shown on **Figure 10**.

A total of approximately 27,053.4 pounds of sodium persulfate, 3312.43 gallons of 25 percent sodium hydroxide solution, and 14,801.25 gallons of potable water were mixed to create a 15 percent activated persulfate solution (AP-pH mixed with municipal water) and was injected, at a rate ranging from 1,200 to 2,000 gallons per injection point.

The injection points of AP-pH had a spacing of approximately 30 ft. A total of 12 injection points (IP-1 through IP-12) were installed throughout the groundwater contamination plume area. Transducers were installed in proximity of the injection locations in monitoring wells MW-1, MW-3, and MW-4 to monitor the temperature, pH, dissolved oxidation (DO), oxidation-reduction potential (ORP), and water levels during the injection process and for two weeks following the injections. Transducer data and analytical lab reports are provided in **Appendix L**.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

4.4.1 Soil

Post-excavation confirmation endpoint soil samples were collected at a frequency of one sample per every 900 sq ft in accordance with the RAWP and NYSDEC DER-10. The Site footprint is approximately 18,111 sq ft, therefore a total of 20 soil bottom endpoint samples were collected (EP-1 through EP-20). Sidewall samples were not collected along the Site perimeter of the BCP Site due to the presence of SOE at the BCP boundary (i.e., no remaining sidewall soil within the BCP boundary accessible to sample). Additionally, bottom endpoint samples were collected from the three 15 ft by 15 ft hotspot excavation areas across the Site (EP-HS-1 through EP-HS-3). Sidewall samples were collected from the hotspot excavation areas to confirm the attainment of Track 1 UUSCOs. QA/QC samples (i.e., duplicates, field blanks, and trip blanks) were collected as part of endpoint sampling activities. **Figure 4** shows the locations of the endpoint soil samples.

Excavation bottom confirmation endpoint samples were collected for NYSDEC Part 375 VOCs, SVOCs, PCBs, pesticides, metals, PFAS, and 1,4-dioxane. The sidewall samples were analyzed for VOCs, SVOCs, and metals. Samples were collected between May 2023 and July 2023. Samples to be analyzed for VOCs, SVOCs, PCBs, pesticides, metals, PFAS, and 1,4-dioxane were transported via laboratory courier to Eurofins Environment Testing Northeast, LLC, ELAP No. 12028, of Edison, New Jersey. Samples to be analyzed for PFAS were also transported via laboratory courier to York Analytical Laboratories Inc., ELAP No. 10854, of Stratford, Connecticut.

Analytical results for endpoint samples were compared to the UUSCOs or the proposed Unrestricted Use PFAS Guidance Values. Based on email correspondence dated 29 June 2022 with the NYSDEC, exceedances of the proposed PFAS Guidance Values were to be over-excavated and endpoint samples recollected.

Confirmation samples collected failed to meet UUSCOs/PFAS Guidance Values at the proposed remedial excavation depth of 8 ft bgs sitewide and 14 ft bgs in three isolated 15 ft by 15 ft hotspot areas. In order to address these findings, the surrounding approximately 900 sq ft grid represented by each of these samples was over-excavated by 2 ft and the new endpoints were sampled and analyzed for the parameters that had exceeded the UUSCOs/PFAS Guidance Values. If the new endpoint sample results indicated the previously failed parameters met the UUSCOs/PFAS Guidance Values, no additional remedial excavation was required; if the new endpoint sample results indicated that one or more previously failed parameters still did not meet UUSCOs/PFAS Guidance Values, then the area was again over-excavated by 2 ft and resampled for the failed parameters. Over excavation was required at four endpoint sample locations and one sidewall sample location, which had concentrations of metals and/or pesticides exceeding UUSCOs or PFAS exceeding NYSDEC established Guidance Values. Details are provided below regarding the over-excavations:

- Endpoint sample EP-5 contained concentrations of one pesticide (4,4’-DDT) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-5 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-5. This over-excavation totaled approximately 70 cu yd.
- Endpoint sample EP-10 contained concentrations of PFAS exceeding Guidance Values at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-10 was over-excavated 5 ft, resampled from 13 to 13.5 ft bgs, and analyzed for the specific parameters that previously exceeded PFAS Guidance Values. Analytical results were below the PFAS Guidance Values for the sample collected from 13 to 13.5 ft bgs at EP-10. This over-excavation totaled approximately 170 cu yd.
- Endpoint sample EP-13 contained concentrations of one metal (lead) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-13 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-13. This over-excavation totaled approximately 70 cu yd.
- Endpoint sample EP-15 contained concentrations of one pesticide (4,4’-DDT) exceeding UUSCOs at 8 to 8.5 ft bgs. The 900 sq ft grid represented by EP-15 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameters that previously exceeded

UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-15. This over-excavation totaled approximately 70 cu yd.

- Sidewall sample SW-12 contained concentrations of one metal (Mercury) exceeding UUSCOs at 13 to 13.5 ft bgs. The area was over-excavated to extend the sidewall of EP-HS-3 2 ft to the west, resampled (SW-12A), and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected. This over-excavation totaled approximately 10 cu yd.

A table and figure summarizing all end-point sampling are included in **Table V** and **Figure 7**, respectively, and all exceedances of SCOs are highlighted.

To attain UST closure, one base sample was collected in the former UST area (one per every 900-sq-ft excavation base). The base soil sample was analyzed for VOCs, SVOCs, and metals by the Eurofins laboratory. Analytical results indicated that mercury exceeded its UUSCO. Since the USTs were located near the proposed endpoint sample locations (EP-02 and EP-03), additional base samples were not collected, and the former UST area was excavated to 8 ft bgs. Metal analytical results for EP-02 and EP-03 were below UUSCOs. Tank and sample locations are shown in **Figure 6**, and sample results are summarized on **Table VII**.

4.4.2 Groundwater

To evaluate the efficacy of the groundwater injection event, groundwater samples were collected from the proposed permanent monitoring wells (MW-1 through MW-5) and analyzed for VOCs, SVOCs, and metals. Groundwater analytical results were compared to 6NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS). Analytical results indicate that VOC, SVOC, and/or metal concentrations exceed their AWQS in all monitoring wells. Pre- and post-injection results in MW-5 show a 20 percent reduction of total VOCs in the source area.

Remaining contaminants in groundwater include 1,2,4-trimethylbenzene (maximum concentration of 2,300 micrograms per liter [µg/L]), 1,3,5-trimethylbenzene (maximum concentration of 460 µg/L), sec-butylbenzene (maximum concentration of 21 µg/L), acetone (maximum concentration of 74 µg/L), chloroform (maximum concentration of 12 µg/L), ethylbenzene (maximum concentration of 640 µg/L), isopropylbenzene (maximum concentration of 130 µg/L), m,p-xylenes (maximum concentration of 1,200 µg/L), n-butylbenzene (maximum concentration of 43 µg/L), n-propylbenzene (maximum concentration of 390 µg/L), o-xylene (maximum concentration of 28 ug/L), total xylene (maximum concentration of 1,200 µg/L), and naphthalene (maximum concentration of 230 µg/L).

Based on groundwater analytical results, and transducer data collected during the May 2023 ISCO treatment, groundwater remains under oxidizing conditions and will naturally attenuate towards concentrations that meet Track 1 site cleanup goals (SCGs). Groundwater quality monitoring will continue as required under the SMP. Monitoring well locations and results are shown in **Figure 8** and **Tables VIII and IX**.

4.4.3 Reporting

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in **Appendix K**, and associated raw data is provided in **Appendix J**. Validated electronic data deliverables were submitted to the NYSDEC EQuIS database and NYSDEC will upload the data from the EDD.

4.5 IMPORTED BACKFILL

A total of 225.25 tons of clean stone was imported to the Site for use as the foundation subbase and as part of the sub-slab depressurization system (SSDS). Imported backfill included 3/4-inch (#57) clean stone from the Mount Hope Quarry located at 625 Mt Hope Road in Wharton, New Jersey.

A table of all sources of imported backfill with quantities for each source is shown in **Table IX**. A figure showing the Site locations where backfill was used at the Site is shown in **Figure 9**. Documentation of imported materials and NYSDEC's approval of this material for use as backfill at the Site is provided in **Table IX** and **Appendix M**.

At the completion of the project, the imported 3/4-inch clean stone used for the foundation subbase now remains at the Site.

4.6 CONTAMINATION REMAINING AT THE SITE

The remedy for the Site has achieved a conditional Track I as UUSCOs/PFAS Guidance Values were achieved in soil; however, VOCs in groundwater remain above AWQS and soil vapor contamination may still exist beneath the site. As of the August 2023 post-remedial groundwater sampling, VOCs remaining in on-site groundwater include 1,2,4-trimethylbenzene (max. 2,300 parts per billion [ppb]; AWQS is 5 ppb), 1,3,5-trimethylbenzene (max. 460 ppb; AWQS is 5 ppb), 2-phenylbutane (max. 21 ppb; AWQS is 5 ppb), chloroform (max. 12 ppb; AWQS is 7 ppb), ethylbenzene (max. 640 ppb; AWQS is 5 ppb), isopropylbenzene (max. 130 ppb; AWQS is 5 ppb), and total xylenes (max. 1,200 ppb; AWQS is 5 ppb). One SVOC, naphthalene, was detected above the AWQS of 10 ppb at a max. of 230 ppb. **Figure 8** and **Table VIII** summarize the results of all groundwater samples after the completion of the remedial action, and **Figure 11** illustrates the soil vapor data from the RI.

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

4.7 ENGINEERING CONTROLS

The remedy for the Site has achieved a conditional Track I as UUSCOs/PFAS Guidance Values were achieved in soil, but as discussed above, some VOCs in groundwater and soil vapor remain. Until the concentrations of VOCs detected in groundwater are below AWQS, a passive SSDS will remain in place and managed under the SMP. The passive SSDS is currently not acting as an engineering control, however, should DEC and DOH determine that the SVI evaluation results suggest that the SSDS be turned on to mitigate additional contaminants in sun-slab vapor and indoor air, then the active SSDS would be deemed an engineering control.

4.7.1 Passive SSDS

Due to the potential presence of soil vapor contamination, a passive SSDS was installed beneath the building foundation in accordance with the approved RAWP. The SSDS consists of a horizontal perforated piping installed in a permeable layer under a Stego® Wrap 20-mil vapor barrier and foundation. The permeable layer is a minimum of 6-inches thick with 3/4-inch washed aggregate. The horizontal piping consists of 4-inch diameter perforated schedule 40 PVC pipes with leader pipes connecting to the vertical risers. The vertical risers are constructed of solid steel pipe risers and exit through the cover systems with sealed penetrations. Each riser has a sample port assembly installed in the cellar. The exhaust point of the riser is at least 12 inches above the highest roof surface, at least 10 ft away from any adjacent building or heating, ventilating, and air conditioning (HVAC) intakes, and is complete with a check valve to prevent air flow into the SSDS and a rain cap. Six sub-slab vapor monitoring points are installed in the permeable layer below the vapor barrier to allow for the collection of sub-slab vapor samples. Design documentation for the SSDS is included in **Figure 11**. Specifications for the vapor barrier are included in **Appendix N**.

The passive SSDS is not itself an engineering control (EC), but should DOH and DEC determine that it needs to be turned on based on the results of the SVI evaluation, then the activated SSDS would be considered an EC. Procedures for monitoring, operating, and maintaining the SSDS are provided in Section 5 of the SMP. The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-Site ECs.

4.8 INSTITUTIONAL CONTROLS

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain, and monitor the ECs; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial, and industrial uses only.

The recorded environmental easement for the Site is included in **Appendix A**.

The remedy for the Site has achieved a conditional Track I as UUSCOs/PFAS Guidance Values were achieved in soil, but as discussed above, VOCs remain in groundwater above AWQS. Until the concentrations of VOCs in groundwater are detected below AWQS, an environmental easement and SMP will remain in place as institutional controls.

4.9 SVI EVALUATION

A SVI evaluation is a required element of a Track 1 remedy, as required by the RAWP and DD. The evaluation is to include provisions for implementing actions recommended to address exposures related to SVI.

As a result of the remedial action performed at the Site, no VOCs exist in the Site soil as documented by the endpoint sampling completed after the removal of all soil to depths between 8 and 14 ft bgs. Five monitoring wells were installed post-remediation (shown in **Figure 8**) and five groundwater samples were collected for VOCs to document water quality at the Site. Despite some groundwater analytical results of VOCs detected at concentrations above AWQS, total concentrations post-ISCO treatment were reduced approximately 20 percent compared to pre-ISCO treatment total concentrations and will continue to attenuate over time. The lagging lined by a combination of Stego® Wrap 20-mil and W.R. Meadows PreCon, installed as the SOE system during construction, remains in place and will limit the horizontal migration of groundwater under the building. In addition, a 20-mil thick moisture/vapor barrier and passive SSDS were installed beneath the foundation elements and slab of the building as an element of construction. These three components – no VOCs in soil, limited VOCs in groundwater, and the presence of a vapor barrier and passive SSDS under the building's concrete floor – indicated that SVI is not an issue at the Site. However, post-building envelope enclosure, a desktop SVI evaluation will be performed prior to building occupancy. This evaluation will be provided to NYSDEC and NYSDOH to determine if the passive SSDS must be made active. These activities will be completed under the SMP.

4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

The following is a list of deviations from the approved RAWP:

1. Additional excavation was required due to endpoint samples and sidewall samples not meeting UUSCOs/PFAS Guidance Values as listed below:
    a. Excavation to a depth of 10 ft bgs in grids represented by endpoint samples EP-5, EP-13, and EP-15.
    b. Excavation to a depth of 13 ft bgs in the grid represented by endpoint sample EP-10.
    c. Over-excavation to extend the sidewall of EP-HS-3 2 ft to the west (represented by sample SW-12A).
    d. Excavation in a 15 ft by 15 ft area to a depth of 10 ft bgs to remove the hazardous lead impacted layer in the grid WC-A1.
2. Five 550-gallon USTs were encountered during the excavation work. These USTs were decommissioned and recycled off-site.
3. No imported fill was anticipated as part of the RAWP, however, a total of 225.25 tons of clean stone (i.e., 3/4-inch stone) was brought on-site to be used for the foundation subbase and for the passive SSDS in case of deviation to a Track 2 remedy.

References

1. Brownfield Cleanup Agreement. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by New York State Department of Conservation, prepared for 2864 Atlantic Realty LLC. March 2022.

2. Brownfield Cleanup Program (BCP) Application to Amend Brownfield Cleanup Agreement and Amendment. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by New York State Department of Conservation, prepared for 2864 Atlantic Realty LLC. April 2022.

3. Citizen Participation Plan. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by New York State Department of Conservation, prepared for 401 West 207th Realty LLC. March 2022.

4. Construction Completion Report. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by H & A of New York LLP, Prepared for 2864 Atlantic Realty LLC. January 2023.

5. Decision Document. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by New York State Department of Conservation, prepared for 2864 Atlantic Realty LLC. February 2023.

6. Interim Remedial Measure Work Plan. 2864 Atlantic Avenue Redevelopment Site, NYSDEC BCP Site C224349, Block 3965 Lot 11, Brooklyn, New York. Prepared by Haley & Aldrich of New York LLP d/b/a Haley & Aldrich of New York, Prepared for 2864 Atlantic Realty LLC. March 2022.

7. Limited Phase II Environmental Site Investigation Report. Speedway #7823, 2864 Atlantic Avenue, Brooklyn, New York. November 2021.

8. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation, May 2010.

9. Remedial Action Work Plan. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by H & A of New York LLP, Prepared for 2864 Atlantic Avenue Realty LLC. January 2023.

10. Remedial Investigation Report. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by Haley & Aldrich of New York, Prepared for 2864 Atlantic Realty LLC. August 2022.

11. Remedial Investigation Work Plan. 2864 Atlantic Avenue Redevelopment Site, 2864 Atlantic Avenue, Brooklyn, New York. Prepared by Haley & Aldrich of New York, Prepared for 2864 Atlantic Realty LLC. March 2022.

12. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under New York State Department of Environmental Conservation's Part 375 Remedial Programs. November 2022.

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TABLES

TABLE I
SOIL CLEANUP OBJECTIVES (SCOs) FOR THE PROJECT
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

PCBs/Pesticides (mg/kg)	
4,4'-DDD	0.0033
4,4'-DDE	0.0033
4,4'-DDT	0.0033
Aldrin	0.005
Alpha-BHC	0.02
alpha-Chlordane	0.094
Beta-BHC	0.036
Delta-BHC	0.04
Dieldrin	0.005
Endosulfan I	2.4
Endosulfan II	2.4
Endosulfan sulfate	2.4
Endrin	0.014
gamma-BHC (Lindane)	0.1
Heptachlor	0.042
PCBs, Total	0.1

Volatile Organic Compounds (mg/kg)	
1,1,1-Trichloroethane	0.68
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2,4-Trimethylbenzene	3.6
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,3,5-Trimethylbenzene	8.4
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
1,4-Dioxane	0.1
2-Butanone (Methyl Ethyl Ketone)	0.12
2-Phenylbutane (sec-Butylbenzene)	11
Acetone	0.05
Benzene	0.06
Carbon tetrachloride	0.76
Chlorobenzene	1.1
Chloroform (Trichloromethane)	0.37
cis-1,2-Dichloroethene	0.25
Ethylbenzene	1
Methyl tert butyl ether (MTBE)	0.93
Methylene chloride (Dichloromethane)	0.05
Naphthalene	12
n-Butylbenzene	12
n-Propylbenzene	3.9
tert-Butylbenzene	5.9
Tetrachloroethene	1.3
Toluene	0.7
trans-1,2-Dichloroethene	0.19
Trichloroethene	0.47
Vinyl chloride	0.02
Xylenes, Total	0.26

Semivolatile Organic Compounds (mg/kg)	
1,2-Dichlorobenzene	1.1
1,3-Dichlorobenzene	2.4
1,4-Dichlorobenzene	1.8
1,4-Dioxane	0.1
2-Methylphenol	0.33
Acenaphthene	20
Acenaphthylene	100
Anthracene	100
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(ghi)perylene	100
Benzo(k)fluoranthene	0.8
Chrysene	1
Dibenzo(a,h)anthracene	0.33
Dibenzofuran	7
Fluoranthene	100
Fluorene	30
Hexachlorobenzene	0.33
Indeno(1,2,3-cd)pyrene	0.5
Naphthalene	12
Pentachlorophenol	0.8
Phenanthrene	100
Phenol	0.33
Pyrene	100

Metals (mg/kg)	
Arsenic, Total	13
Barium, Total	350
Beryllium, Total	7.2
Cadmium, Total	2.5
Copper, Total	50
Lead, Total	63
Manganese, Total	1600
Mercury, Total	0.18
Nickel, Total	30
Selenium, Total	3.9
Silver, Total	2
Zinc, Total	109

Per- and Polyfluoroalkyl Substances (PFAS) (mg/kg)	
Perfluorooctanoic acid (PFOA)	0.00066
Perfluorooctanesulfonic acid (PFOS)	0.00088

Notes:
1. Criteria are 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives
2. Proposed Sampling, Analysis, and Assessment of PFAS Guidance, November 2022
3. mg/kg: milligram per kilogram

TABLE II
WASTE CHARACTERIZAITON SAMPLES BY AREA AND/OR MATERIAL TYPE
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Sample Location	Sample ID	Sample Type	Sample Depth (feet bgs)	Sample Date	Analytical Parameters
WASTE CHARACTERIZATION SOIL SAMPLES					
WC-A1	WC-C_A1_0-5	Composite	0-5'	10/4/2022	SVOCs, Total Metals, TCLP Metals, PCBs, Herbicides, Pesticides, General Chemistry, RCRA Characteristics
	WC-C_A1_5-10	Composite	5-10'	10/4/2022	
	WC-C_A1_10-15	Composite	10-15'	10/4/2022	
WC-A2	WC-C_A2_0-5	Composite	0-5'	10/4/2022	
	WC-C_A2_5-10	Composite	5-10'	10/4/2022	
	WC-C_A2_10-15	Composite	10-15'	10/4/2022	
	WC-C_A2_15-20	Composite	15-20'	10/4/2022	
WC-B1	WC-C_B1_0-5	Composite	0-5'	10/4/2022	
	WC-C_B1_5-10	Composite	5-10'	10/4/2022	
	WC-C_B1_10-15	Composite	10-15'	10/4/2022	
WC-B2	WC-C_B2_0-5	Composite	0-5'	10/4/2022	
	WC-C_B2_5-10	Composite	5-10'	10/4/2022	
	WC-C_B2_10-15	Composite	10-15'	10/4/2022	
WC-A1	WC-G_A1_5	Grab	5'	10/4/2022	VOCs, TPH
	WC-G_A1_10	Grab	10'	10/4/2022	
	WC-G_A1_15	Grab	15'	10/4/2022	
WC-A2	WC-G_A2_5	Grab	5'	10/4/2022	
	WC-G_A2_10	Grab	10'	10/4/2022	
	WC-G_A2_15	Grab	15'	10/4/2022	
	WC-G_A2_20	Grab	20'	10/4/2022	
WC-B1	WC-G_B1_5	Grab	5'	10/4/2022	
	WC-G_B1_10	Grab	10'	10/4/2022	
	WC-G_B1_15	Grab	15'	10/4/2022	
WC-B2	WC-G_B2_5	Grab	5'	10/4/2022	
	WC-G_B2_10	Grab	10'	10/4/2022	
	WC-G_B2_15	Grab	15'	10/4/2022	
WC-B1	B2_1-3	Grab	1-3'	10/4/2022	Total Lead and TCLP Lead
WC-B1	B7_0-2	Grab	0-2'	10/4/2022	Total Lead and TCLP Lead
WC-B1	B8_0-2	Grab	0-2'	10/4/2022	Total Lead and TCLP Lead
WC-A1	B9_3-5	Grab	3-5'	10/4/2022	Total Lead and TCLP Lead
WC-A2	B10_0-2	Grab	0-2'	10/4/2022	Total Lead and TCLP Lead
WC-A1	B11_0-2	Grab	0-2'	10/4/2022	Total Lead and TCLP Lead
HAZARDOUS LEAD DELINEATION SOIL SAMPLES					
WC-A1	B9_5-7	Grab	5-7'	11/2/2022	Total Lead and TCLP Lead
	LD-1A_0-3	Grab	0-3'	11/2/2022	
	LD-2A_0-3	Grab	0-3'	11/2/2022	
	LD-3A_0-3	Grab	0-3'	11/2/2022	
	LD-4A_0-3	Grab	0-3'	11/2/2022	
	LD-1A (3-5')	Grab	3-5'	4/28/2023	Total Lead and TCLP Lead
	LD-2A (3-5')	Grab	3-5'	4/28/2023	
	LD-3A (3-5')	Grab	3-5'	4/28/2023	
	LD-4A (3-5')	Grab	3-5'	4/28/2023	
	LD-1A (5-7')	Grab	5-7'	4/28/2023	Contingent - Total Lead and TCLP Lead (not analyzed)
	LD-2A (5-7')	Grab	5-7'	4/28/2023	
	LD-3A (5-7')	Grab	5-7'	4/28/2023	
	LD-4A (5-7')	Grab	5-7'	4/28/2023	

Notes:
** See Figure 3 for sample locations*
1. VOC - Volatile Organic Compound
2. SVOC - Semivolatile Organic Compound
3. PCB - Polychlorinated Biphenyl
4. TPH - Total Petroleum Hydrocarbons
5. TCLP - Toxicity Characteristic Leaching Procedure
6. RCRA - Resource Conservation and Recovery Act
7. bgs - below ground surface

TABLE III
CAMP EXCEEDANCE AND ERROR LOG
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Date	Time	Station Impacted	Impacted Monitoring Equipment	Comments
5/1/2023	1130-1139	Upwind Station 2	Aeroqual	Between 1130 and 1139, CAMP Station 2 was shut down temporarily to move it to the southern boundary of the Site in preparation for work in the area.
5/5/2023	1030-1100	Upwind Station 1	Aeroqual	Between 1030 and 1100, particulate concentrations intermittently exceeded action levels at upwind Station 1. During that time, the contractors were drilling sheet pilings in the immediate vicinity. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas during intrusive activities. No visible dust was observed leaving the Site perimeter.
5/8/2023	0930-0945 (Station 1) 1108-1116 (Station 1)	Upwind Station 1	Aeroqual	1. Between 0930 and 0945, particulate concentrations intermittently exceeded action levels at upwind Station 1. During that time, the contractors were excavating soil in the immediate vicinity. Potable water was used to dampen the work areas during intrusive activities. No visible dust was observed leaving the Site perimeter. 2. Between 1108 and 1116, CAMP Station 1 was shut down temporarily to move the station west in preparation for work in the area.
5/11/2023	0900-0915 (Station 1) 0905-1119 (Station 3)	Downwind Station 1 & Upwind Station 3	Aeroqual	1. Between 0900 and 0915, particulate concentrations intermittently exceeded action levels at downwind Station 1. During that time, the contractors were drilling sheet pilings in the immediate vicinity. Potable water was used to dampen the work areas during intrusive activities. No visible dust was observed leaving the Site perimeter. 2. Between 0905 and 1119, CAMP Station 3 shut off due to equipment malfunction due to loss of signal. Station 3 was moved slightly and came back online.
5/15/2023	0700-0715, 1145-1200, 1415-1445 (Station 1) 1547-1557 (Station 2)	Upwind Station 1 & Downwind Station 2	Aeroqual	1. Between 0700-0715, particulate concentrations intermittently exceeded action levels at upwind Station 1. Between 1145 and 1200, particulate concentrations exceeded action levels at upwind Station 1. Between 1415-1445, particulate concentrations intermittently exceeded action levels at upwind Station 1. During those time intervals, the contractors were cutting the concrete sidewalk and drilling sheet pilings immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter. 2. Between 1547 and 1557, CAMP Station 2 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after.
5/16/2023	0830-0845 (Station 1) 1100-1145 (Station 3)	Downwind Station 1 & Upwind Station 3	Aeroqual	1. Between 0830 and 0845, particulate concentrations intermittently exceeded action levels at downwind Station 1. During this time, the contractors were drilling sheet pilings immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter. 2. Between 1100 and 1145, particulate concentrations intermittently exceeded action levels at upwind Station 3. During this time, the contractors were cutting the concrete sidewalk and drilling sheet pilings immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter.
5/17/2023	0706-0720, 1201-1211, 1339-1356	Downwind Station 2	Aeroqual	1. Between 0706 and 0720, CAMP Station 2 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after. 2. Between 1201 and 1211, CAMP Station 2 was shut down temporarily to move it to the southeastern boundary of the Site. 3. Between 1339 and 1356, CAMP Station 2 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after.
5/18/2022	0657-0848	Upwind Station 2	Aeroqual	Between 0657 and 0848, CAMP Station 2 shut off due to a battery malfunction. The battery was replaced and the station was brought back online after.
5/22/2023	All Day	Upwind Station 2	Aeroqual	CAMP Station 2 was started at 0657 but shut off at 0658 due to a battery malfunction. Field staff were unaware of the issue, so no VOC or particulate matter concentrations were collected at this station. No visible dust was observed leaving the Site perimeter.
5/23/2023	1230-1238 (Station 3) 1230-1241 (Station 1)	Upwind Station 3 & Downwind Station 1	Aeroqual	1. Between 1230 and 1238, CAMP Station 3 shut off due to equipment malfunction due to loss of signal. Station 3 was restarted and came back online successfully. 2. Between 1230 and 1241, CAMP Station 1 shut off due to equipment malfunction due to loss of signal. Station 1 was restarted and came back online successfully.

TABLE III
CAMP EXCEEDANCE AND ERROR LOG
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Date	Time	Station Impacted	Impacted Monitoring Equipment	Comments
6/6/2023	0711-0719, 1631-1715 (Station 3) 1700-1745 (Station 2)	Upwind Station 3 & Downwind Station 2	Aeroqual	1. Between 0711 and 0719, CAMP Station 3 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after. 2. Between 1631 and 1715, CAMP Station 3 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after. 3. Between 1700 and 1745, particulate concentrations intermittently exceeded action levels at downwind Station 2. During this time, the contractors were welding support of excavation components immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter.
6/7/2023 - 6/8/2023	All Day	All Stations	Aeroqual	Elevated particulate matter readings were observed throughout the day due to the air pollution stemming from the smoke produced by the ongoing Canadian wildfires and were unrelated to construction activities. No visible dust was observed leaving the site perimeter.
6/8/2023	0800-0830, 0919-0931 (Station 3) 1430-1445, 1623-1640 (Station 1)	Downwind Station 3 & Upwind Station 1	Aeroqual	1. Between 0800 and 0830, particulate concentrations intermittently exceeded action levels at downwind Station 3. During this time, the contractors were excavating soil immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter. 2. Between 0919 and 0931, CAMP Station 3 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after. 3. Between 1430 and 1445, particulate concentrations intermittently exceeded action levels at upwind Station 1. During this time, the contractors were welding support of excavation components immediately adjacent to the station. The CAMP station was moved out of the immediate vicinity and potable water was used to dampen the work areas prior to and during intrusive activities. No visible dust was observed leaving the Site perimeter. 4. Between 1623 and 1640, CAMP Station 1 was shut down temporarily to move it to the east along the northern boundary of the Site in preparation for work in the area.
6/26/2023	1157-1206	Downwind Station 3	Aeroqual	Between 1157 and 1206, CAMP Station 3 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after.
6/30/2023	All Day	Upwind Station 2	Aeroqual	Elevated particulate matter readings were observed throughout the day due to the air pollution stemming from the smoke produced by the ongoing Canadian wildfires and were unrelated to construction activities. No visible dust was observed leaving the site perimeter.
7/6/2023	1002-1015 (Station 2) 1059-1121, 1115-1130 (Station 3)	Upwind Station 2 & Upwind Station 3	Aeroqual	1. Between 1002 and 1015, CAMP Station 2 shut off due to a battery malfunction. The battery was replaced and the station was brought back online shortly after. 2. Between 1059 and 1121, CAMP Station 3 was shut down temporarily to move it to the southwest boundary of the Site in preparation for work in the area. 3. Between 1115 and 1130, particulate concentrations intermittently exceeded action levels at upwind Station 3. During this time, the station was being moved and the exceedance was likely due to handling during movement and not from construction activities. No visible dust was observed leaving the Site perimeter.
7/14/2023	1130-1145	Upwind Station 2	Aeroqual	Between 1130 and 1145, particulate concentrations intermittently exceeded action levels at upwind Station 2. During this time, the contractors were repairing the fencing in the immediate vicinity and the exceedance was not from ground intrusive work. No visible dust was observed leaving the Site perimeter.
7/20/2023	0700-0715	Upwind Station 1 & Downwind Station 2	Aeroqual	Between 0700 and 0715, particulate concentrations intermittently exceeded action levels at upwind Station 1 and downwind Station 2 when the stations were started. This was likely a result of sediment accumulation during overnight storage. After the initial spike, readings returned to background concentration levels.
7/26/2023	0715-0730	Downwind Station 3	Aeroqual	Between 0715 and 0730, particulate concentrations intermittently exceeded action levels at downwind Station 3 when the stations were started. This was likely a result of sediment accumulation during overnight storage. After the initial spike, readings returned to background concentration levels.

TABLE IV
OFFSITE SOIL/WASTE DISPOSAL VOLUMES AND FACILITIES
2864 ATLANTIC AVENUE REDEVELOPMENT
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Facility	Grid[1]	Soil Classification	Reason for Disposal	Disposal Weight[2] (Tons)	Estimated Volume[3] (Cubic Yards)
Bayshore Soil Management Keasbey, NJ	WC-A1	Non-Hazardous Contaminated	Remediation	2,276.69	1,430
	WC-A2	Non-Hazardous Contaminated	Remediation	2,911.88	1,830
	WC-B1	Non-Hazardous Contaminated	Remediation	2,117.57	1,330
	WC-B2	Non-Hazardous Contaminated	Remediation	2,027.99	1,270
Clean Earth of North Jersey Kearny, NJ	WC-A1	Hazardous Contaminated Soil	Remediation	105.87	70
	WC-A2	Hazardous Contaminated Soil	Remediation	None	None
	WC-B1	Hazardous Contaminated Soil	Remediation	None	None
	WC-B2	Hazardous Contaminated Soil	Remediation	None	None
				Tons	**Cubic Yards**
Total Non-Hazardous Soil for Remediation:				9,334.13	5,860
Total Hazardous Soil for Remediation:				105.87	70
Total Soil for Remediation:				9,440.00	5,930

Notes:

[1] *See Figures 3 and 4 for grid locations and remedial excavation depths.*

[2] *Total disposal weight based on weight tickets provided by disposal facilities (See Appendix H).*

[3] *Volume estimated by the grid area and remediation depth and rounded to the nearest 10 cubic yards.*

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level														
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01	EP-02	EP-02	EP-03	EP-04	EP-05	EP-05	EP-05	EP-06	EP-07	EP-08	EP-09	EP-10
Sample Name			EP-1(8)	DUP-02_20230613	EP-2 (8)	EP-3 (8)	EP-4 (8)	DUP-01_20230519	EP-5 (8)	EP-5 (10)	EP-6(8)	EP-7 (8)	EP-8 (8)	EP-9 (8)	EP-10 (8)
Sample Date			06/22/2023	06/13/2023	06/13/2023	06/08/2023	05/19/2023	05/19/2023	05/19/2023	06/02/2023	06/19/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023
Lab Sample ID			460-282900-1 460-282938-1	460-282237-6 460-282347-5	460-282237-1 460-282347-1	460-281923-1 460-281924-1	460-280689-5 460-280704-4	460-280689-4 460-280704-3	460-280689-3 460-280704-2	460-281476-1	460-282668-1 460-282669-1	460-282237-2 460-282347-2	460-281923-2 460-281924-2	460-280872-1 460-280916-1	460-281476-2 460-281497-1
Sample Depth (bgs)			8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)
Volatile Organic Compounds (mg/kg)															
1,1,1,2-Tetrachloroethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	0.68	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,1,2,2-Tetrachloroethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,1,2-Trichloroethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,1-Dichloroethane	0.27	0.27	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011) J	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,1-Dichloroethene	0.33	0.33	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,1-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2,3-Trichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2,4-Trimethylbenzene	3.6	3.6	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2-Dichlorobenzene	1.1	1.1	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2-Dichloroethane	0.02	0.02	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,3,5-Trimethylbenzene	8.4	8.4	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,3-Dichlorobenzene	2.4	2.4	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,3-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
1,4-Diethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	0.12	0.12	ND (0.0044)	ND (0.0048)	ND (0.0044)	ND (0.0044)	ND (0.0049)	ND (0.005)	ND (0.0051)	-	ND (0.0055)	ND (0.0051)	ND (0.0047)	ND (0.0048)	ND (0.0052)
2-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	ND (0.0044)	ND (0.0048)	ND (0.0044)	ND (0.0044)	ND (0.0049)	ND (0.005)	ND (0.0051)	-	ND (0.0055)	ND (0.0051)	ND (0.0047)	ND (0.0048)	ND (0.0052)
2-Phenylbutane (sec-Butylbenzene)	11	11	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
4-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	ND (0.0044)	ND (0.0048)	ND (0.0044)	ND (0.0044)	ND (0.0049)	ND (0.005)	ND (0.0051) J	-	ND (0.0055)	ND (0.0051)	ND (0.0047)	ND (0.0048)	ND (0.0052)
Acetone	0.05	0.05	0.0054 J+	ND (0.0058)	ND (0.0053)	ND (0.0053)	ND (0.0058)	ND (0.006)	ND (0.0061)	-	ND (0.0066)	ND (0.0062)	ND (0.0057)	ND (0.0057)	ND (0.0062)
Acrylonitrile	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	0.06	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Bromobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

Location Name	Action Level: Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Action Level: NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01	EP-02	EP-02	EP-03	EP-04	EP-05	EP-05	EP-05	EP-06	EP-07	EP-08	EP-09	EP-10
Sample Name			EP-1(8)	DUP-02_20230613	EP-2 (8)	EP-3 (8)	EP-4 (8)	DUP-01_20230519	EP-5 (8)	EP-5 (10)	EP-6(8)	EP-7 (8)	EP-8 (8)	EP-9 (8)	EP-10 (8)
Sample Date			06/22/2023	06/13/2023	06/13/2023	06/08/2023	05/19/2023	05/19/2023	05/19/2023	06/02/2023	06/19/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023
Lab Sample ID			460-282900-1 460-282938-1	460-282237-6 460-282347-5	460-282237-1 460-282347-1	460-281923-1 460-281924-1	460-280689-5 460-280704-4	460-280689-4 460-280704-3	460-280689-3 460-280704-2	460-281476-1	460-282668-1 460-282669-1	460-282237-2 460-282347-2	460-281923-2 460-281924-2	460-280872-1 460-280916-1	460-281476-2 460-281497-1
Sample Depth (bgs)			8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)
Bromodichloromethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Bromoform	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Bromomethane (Methyl Bromide)	NA	NA	ND (0.0018)	ND (0.0019)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.002)	ND (0.002)	-	ND (0.0022)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0021)
Carbon disulfide	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Carbon tetrachloride	0.76	0.76	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Chlorobenzene	1.1	1.1	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Chlorobromomethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011) J	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Chloroethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Chloroform (Trichloromethane)	0.37	0.37	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011) J	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Chloromethane (Methyl Chloride)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
cis-1,2-Dichloroethene	0.25	0.25	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Cyclohexane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Cymene (p-Isopropyltoluene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Dibromomethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Ethyl Ether	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	1	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Hexachlorobutadiene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
m,p-Xylenes	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Methyl acetate	NA	NA	ND (0.0044)	ND (0.0048)	ND (0.0044)	ND (0.0044)	ND (0.0049)	ND (0.005)	ND (0.0051)	-	ND (0.0055)	ND (0.0051)	ND (0.0047)	ND (0.0048)	ND (0.0052)
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Methylcyclohexane	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Methylene chloride (Dichloromethane)	0.05	0.05	ND (0.0018)	ND (0.0019)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.002)	ND (0.002)	-	ND (0.0022)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0021)
Naphthalene	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	12	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
n-Propylbenzene	3.9	3.9	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
o-Xylene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Styrene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
tert-Butylbenzene	5.9	5.9	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Tetrachloroethene	1.3	1.3	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Toluene	0.7	0.7	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
trans-1,2-Dichloroethene	0.19	0.19	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
trans-1,3-Dichloropropene	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	0.47	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001)	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Trichlorofluoromethane (CFC-11)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095) J	ND (0.001)
Trifluorotrichloroethane (Freon 113)	NA	NA	ND (0.00088)	ND (0.00096)	ND (0.00088)	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Vinyl acetate	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	0.02	ND (0.00088)	ND (0.00096)	ND (0.00088) J	ND (0.00089)	ND (0.00097)	ND (0.001)	ND (0.001) J	-	ND (0.0011)	ND (0.001)	ND (0.00095)	ND (0.00095)	ND (0.001)
Xylene (Total)	1.6	0.26	ND (0.0018)	ND (0.0019)	ND (0.0018) J	ND (0.0018)	ND (0.0019)	ND (0.002)	ND (0.002) J	-	ND (0.0022)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0021)
Semi-Volatile Organic Compounds (mg/kg)															
1,2,4,5-Tetrachlorobenzene	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
1,2,4-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
2,2'-oxybis(1-Chloropropane)	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2,3,4,6-Tetrachlorophenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2,4,5-Trichlorophenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2,4,6-Trichlorophenol	NA	NA	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
2,4-Dichlorophenol	NA	NA	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
2,4-Dimethylphenol	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2,4-Dinitrophenol	NA	NA	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.28)	-	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.29)
2,4-Dinitrotoluene	NA	NA	ND (0.067)	ND (0.07)	ND (0.07)	ND (0.069)	ND (0.07)	ND (0.07)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
2,6-Dinitrotoluene	NA	NA	ND (0.067)	ND (0.07)	ND (0.07)	ND (0.069)	ND (0.07)	ND (0.07)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level: Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Action Level: NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01 EP-1(8) 06/22/2023 460-282900-1 460-282938-1 8 (ft)	EP-02 DUP-02_20230613 06/13/2023 460-282237-6 460-282347-5 8 (ft)	EP-02 EP-2 (8) 06/13/2023 460-282237-1 460-282347-1 8 (ft)	EP-03 EP-3 (8) 06/08/2023 460-281923-1 460-281924-1 8 (ft)	EP-04 EP-4 (8) 05/19/2023 460-280689-5 460-280704-4 8 (ft)	EP-05 DUP-01_20230519 05/19/2023 460-280689-4 460-280704-3 8 (ft)	EP-05 EP-5 (8) 05/19/2023 460-280689-3 460-280704-2 8 (ft)	EP-05 EP-5 (10) 06/02/2023 460-281476-1 10 (ft)	EP-06 EP-6(8) 06/19/2023 460-282668-1 460-282669-1 8 (ft)	EP-07 EP-7 (8) 06/13/2023 460-282237-2 460-282347-2 8 (ft)	EP-08 EP-8 (8) 06/08/2023 460-281923-2 460-281924-2 8 (ft)	EP-09 EP-9 (8) 05/23/2023 460-280872-1 460-280916-1 8 (ft)	EP-10 EP-10 (8) 06/02/2023 460-281476-2 460-281497-1 8 (ft)
2-Chloronaphthalene	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2-Chlorophenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2-Methylnaphthalene	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2-Methylphenol (o-Cresol)	0.33	0.33	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2-Nitroaniline	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
2-Nitrophenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
3&4-Methylphenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
3,3'-Dichlorobenzidine	NA	NA	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
3-Nitroaniline	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4,6-Dinitro-2-methylphenol	NA	NA	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.28)	-	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.29)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Chloro-3-methylphenol	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Chloroaniline	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Chlorophenyl phenyl ether	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Methylphenol	0.33	0.33	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Nitroaniline	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
4-Nitrophenol	NA	NA	ND (0.67)	ND (0.7)	ND (0.7)	ND (0.69)	ND (0.7)	ND (0.7)	ND (0.7)	-	ND (0.7)	ND (0.71)	ND (0.69)	ND (0.71)	ND (0.73)
Acenaphthene	98	20	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Acenaphthylene	107	100	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	0.021 J	ND (0.36)
Acetophenone	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Anthracene	1000	100	ND (0.33)	0.015 J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	0.024 J	ND (0.36) J
Atrazine	NA	NA	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Benzaldehyde	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Benzo(a)anthracene	1	1	ND (0.033) J	0.052	0.03 J	ND (0.034)	0.036	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	0.038	0.15	0.049
Benzo(a)pyrene	22	1	ND (0.033)	0.042	0.023 J	ND (0.034)	0.029 J	ND (0.035)	ND (0.035)	-	0.0098 J	0.021 J	0.032 J	0.17	0.047
Benzo(b)fluoranthene	1.7	1	ND (0.033)	0.048	0.026 J	ND (0.034)	0.039	ND (0.035)	0.012 J	-	0.0099 J	0.025 J	0.039	0.2	0.058
Benzo(g,h,i)perylene	1000	100	ND (0.33)	0.026 J	0.015 J	ND (0.34)	0.024 J	ND (0.35)	ND (0.35)	-	ND (0.34)	0.018 J	0.022 J	0.11 J	0.035 J
Benzo(k)fluoranthene	1.7	0.8	ND (0.033) J	0.02 J	0.01 J	ND (0.034)	0.017 J	ND (0.035)	ND (0.035)	-	0.0073 J	0.0098 J	0.019 J	0.087	0.028 J
Benzoic acid	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
bis(2-Chloroethoxy)methane	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
bis(2-Chloroethyl)ether	NA	NA	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
bis(2-Ethylhexyl)phthalate	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Butyl benzylphthalate (BBP)	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Caprolactam	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Carbazole	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36) J
Chrysene	1	1	ND (0.33)	0.043 J	0.026 J	ND (0.34)	0.027 J	ND (0.35)	ND (0.35)	-	0.015 J	0.021 J	0.036 J	0.18 J	0.046 J
Dibenz(a,h)anthracene	1000	0.33	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	0.03 J	ND (0.036)
Dibenzofuran	210	7	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Diethyl phthalate	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Dimethyl phthalate	NA	NA	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Di-n-butylphthalate (DBP)	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36) J
Di-n-octyl phthalate (DnOP)	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Fluoranthene	1000	100	ND (0.33)	0.082 J	0.038 J	ND (0.34)	0.05 J	ND (0.35)	0.015 J	-	0.016 J	0.031 J	0.059 J	0.3 J	0.073 J
Fluorene	386	30	ND (0.33) J	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Hexachlorobenzene	3.2	0.33	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
Hexachlorobutadiene	NA	NA	ND (0.067)	ND (0.07)	ND (0.07)	ND (0.069)	ND (0.07)	ND (0.07)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Hexachlorocyclopentadiene	NA	NA	0.33 R	ND (0.34)	ND (0.34) J	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35) J	-	0.34 R	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Hexachloroethane	NA	NA	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
Indeno(1,2,3-cd)pyrene	8.2	0.5	ND (0.033)	0.032 J	0.017 J	ND (0.034)	0.028 J	ND (0.035)	ND (0.035)	-	ND (0.034)	0.018 J	0.025 J	0.12	0.042
Isophorone	NA	NA	ND (0.13) J	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Naphthalene	12	12	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Nitrobenzene	NA	NA	ND (0.033) J	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
N-Nitrosodi-n-propylamine	NA	NA	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.035)	-	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
N-Nitrosodiphenylamine	NA	NA	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Pentachlorophenol	0.8	0.8	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.28)	-	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.29) J
Phenanthrene	1000	100	ND (0.33)	0.085 J	0.023 J	ND (0.34)	0.026 J	ND (0.35)	ND (0.35)	-	ND (0.34)	0.02 J	0.034 J	0.15 J	0.051 J
Phenol	0.33	0.33	ND (0.33)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.35)	-	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.35)	ND (0.36)
Pyrene	1000	100	ND (0.33)	0.094 J	0.048 J	ND (0.34)	0.048 J	ND (0.35)	0.015 J	-	0.021 J	0.035 J	0.065 J	0.3 J	0.078 J

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level														
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01 EP-1(8) 06/22/2023 460-282900-1 460-282938-1 8 (ft)	EP-02 DUP-02_20230613 06/13/2023 460-282237-6 460-282347-5 8 (ft)	EP-02 EP-2 (8) 06/13/2023 460-282237-1 460-282347-1 8 (ft)	EP-03 EP-3 (8) 06/08/2023 460-281923-1 460-281924-1 8 (ft)	EP-04 EP-4 (8) 05/19/2023 460-280689-5 460-280704-4 8 (ft)	EP-05 DUP-01_20230519 05/19/2023 460-280689-4 460-280704-3 8 (ft)	EP-05 EP-5 (8) 05/19/2023 460-280689-3 460-280704-2 8 (ft)	EP-05 EP-5 (10) 06/02/2023 460-281476-1 10 (ft)	EP-06 EP-6(8) 06/19/2023 460-282668-1 460-282669-1 8 (ft)	EP-07 EP-7 (8) 06/13/2023 460-282237-2 460-282347-2 8 (ft)	EP-08 EP-8 (8) 06/08/2023 460-281923-2 460-281924-2 8 (ft)	EP-09 EP-9 (8) 05/23/2023 460-280872-1 460-280916-1 8 (ft)	EP-10 EP-10 (8) 06/02/2023 460-281476-2 460-281497-1 8 (ft)
Inorganic Compounds (mg/kg)															
Aluminum	NA	NA	3440	4830 J	4310 J	3160	3960	4240	3220	-	2310	3850 J	8640	4810	4840
Antimony	NA	NA	0.11 J	ND (1) J	ND (1) J	ND (0.95)	ND (0.78) J	ND (0.86) J	ND (1.1) J	-	ND (0.94)	ND (0.89) J	ND (0.98)	ND (1.1) J	ND (0.88)
Arsenic	16	13	1.1	1.4	1.6	0.81 J	1.4	1.5	1.1	-	0.67 J	1.3	7.2	1.8	2.2
Barium	820	350	21.8	33.7 J-	39.4 J-	25.3	29.7 J-	34.2 J-	27.4 J-	-	17.4	29.3 J-	46.8	36.6	38
Beryllium	47	7.2	0.17 J	0.27 J	0.28 J	0.2 J	0.31	0.29 J	0.23 J	-	0.15 J	0.25 J	0.48	0.27 J	0.25 J
Cadmium	7.5	2.5	ND (0.77)	ND (1)	ND (1)	ND (0.95)	ND (0.78)	ND (0.86)	ND (1.1)	-	ND (0.94)	ND (0.89)	ND (0.98)	ND (1.1)	ND (0.88)
Calcium	NA	NA	800	1880 J+	1610 J+	564	1340 J+	1010 J+	556 J+	-	437	1320 J+	539	4170	3320
Chromium	NA	NA	6.1	14.5	10.6	7	8.9	9.5	7.7	-	6.9	10.6	11.1	10.1	11.7
Chromium VI (Hexavalent)	19	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	NA	2.6	4.4 J-	4.3 J-	2.6	3.5	5.3 J	3.1 J	-	2.2	3.6 J-	2.9	3.3	3.7
Copper	1720	50	6.5	11.4 J-	15.8 J-	7.5	11.4	9.9 J	7.4 J	-	5.9	9.3 J-	6.8	11.5	9.9
Iron	NA	NA	10700	15200 J	16500 J	9800	14500	15500	11800	-	7640	12200 J	10400	12900	12400
Lead	450	63	1.9	21.6 J	31.6 J	31.9	36.6	4.3 J	2.6 J	-	2.8	19.4 J	11.2	38.5	25.9
Magnesium	NA	NA	973	2240 J+	1800 J+	1020	1180 J-	1740 J-	1180 J-	-	887	1470 J+	869	1960 J+	1450
Manganese	2000	1600	290	238 J	277 J	135	250	528 J	260 J	-	205	288 J	129	211 J-	264
Mercury	0.73	0.18	ND (0.016)	0.042	0.036	0.0081 J	ND (0.018)	ND (0.018)	ND (0.017)	-	ND (0.016)	0.034	0.026	0.06	0.059
Nickel	130	30	5.9	10 J-	9.1 J-	5.5	7.2	7.7	6.1	-	4.7	7.4 J-	5.8	6.8	7.1
Potassium	NA	NA	290	446 J-	505 J-	333	424 J-	399 J-	375 J-	-	405	392 J-	374	530 J-	525
Selenium	4	3.9	ND (0.97)	ND (1.3)	ND (1.3)	ND (1.2)	ND (0.98)	ND (1.1)	ND (1.3)	-	ND (1.2)	ND (1.1)	0.25 J	ND (1.3)	0.64 J
Silver	8.3	2	ND (0.31)	ND (0.41)	ND (0.42)	ND (0.38)	ND (0.31)	ND (0.34)	ND (0.42)	-	ND (0.37)	ND (0.36)	ND (0.39)	ND (0.43)	ND (0.35)
Sodium	NA	NA	109	159 J	127 J	152	168 J+	219 J+	178 J+	-	71.7 J	140 J	ND (98.1)	145	247
Thallium	NA	NA	ND (0.31)	ND (0.41)	0.053 J	ND (0.38)	0.041 J	0.05 J	ND (0.42)	-	ND (0.37)	0.039 J	0.079 J	ND (0.43)	0.04 J
Vanadium	NA	NA	17.9	20.8 J+	14.9 J+	10.5	15.5	17.3	12.6	-	9	13.1 J+	15.6	16.3	14.7
Zinc	2480	109	12.3	21.4	27.3	12.1	19.8	15.8	12.1	-	13.4	20.8	30	42.2 J+	34.1
TCLP Inorganic Compounds (mg/L)															
Arsenic	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1016 (PCB-1016)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1221 (PCB-1221)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1232 (PCB-1232)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1242 (PCB-1242)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1248 (PCB-1248)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1254 (PCB-1254)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1260 (PCB-1260)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Polychlorinated biphenyls (PCBs)	3.2	0.1	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)
Other															
Percent Solids, weight (%)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (%)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level														
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01	EP-02	EP-02	EP-03	EP-04	EP-05	EP-05	EP-05	EP-06	EP-07	EP-08	EP-09	EP-10
Sample Name			EP-1(8)	DUP-02_20230613	EP-2 (8)	EP-3 (8)	EP-4 (8)	DUP-01_20230519	EP-5 (8)	EP-5 (10)	EP-6(8)	EP-7 (8)	EP-8 (8)	EP-9 (8)	EP-10 (8)
Sample Date			06/22/2023	06/13/2023	06/13/2023	06/08/2023	05/19/2023	05/19/2023	05/19/2023	06/02/2023	06/19/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023
			460-282900-1	460-282237-6	460-282237-1	460-281923-1	460-280689-5	460-280689-4	460-280689-3		460-282668-1	460-282237-2	460-281923-2	460-280872-1	460-281476-2
Lab Sample ID			460-282938-1	460-282347-5	460-282347-1	460-281924-1	460-280704-4	460-280704-3	460-280704-2	460-281476-1	460-282669-1	460-282347-2	460-281924-2	460-280916-1	460-281497-1
Sample Depth (bgs)			8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)
Pesticides (mg/kg)															
4,4'-DDD	14	0.0033	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
4,4'-DDE	17	0.0033	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
4,4'-DDT	136	0.0033	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	0.0059 J	0.015 J	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Aldrin	0.19	0.005	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
alpha-BHC	0.02	0.02	ND (0.002)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0022)
alpha-Chlordane (cis)	2.9	0.094	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	0.009 J	ND (0.0073)
beta-BHC	0.09	0.036	ND (0.002)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0022)
Chlordane	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.069)	0.082	ND (0.073)
delta-BHC	0.25	0.04	ND (0.002)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0022)
Dieldrin	0.1	0.005	ND (0.002)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0022)
Endosulfan I	102	2.4	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Endosulfan II	102	2.4	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Endosulfan sulfate	1000	2.4	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Endrin	0.06	0.014	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Endrin aldehyde	NA	NA	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Endrin ketone	NA	NA	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
gamma-BHC (Lindane)	0.1	0.1	ND (0.002)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0022)
gamma-Chlordane (trans)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.38	0.042	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Heptachlor epoxide	NA	NA	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Methoxychlor	NA	NA	ND (0.0067)	ND (0.007)	ND (0.0069)	ND (0.0069)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.0069)	ND (0.0071)	ND (0.0073)
Toxaphene	NA	NA	ND (0.067)	ND (0.07)	ND (0.069)	ND (0.069)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.069)	ND (0.071)	ND (0.073)

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level														
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01	EP-02	EP-02	EP-03	EP-04	EP-05	EP-05	EP-05	EP-06	EP-07	EP-08	EP-09	EP-10
Sample Name			EP-1(8)	DUP-02_20230613	EP-2 (8)	EP-3 (8)	EP-4 (8)	DUP-01_20230519	EP-5 (8)	EP-5 (10)	EP-6(8)	EP-7 (8)	EP-8 (8)	EP-9 (8)	EP-10 (8)
Sample Date			06/22/2023	06/13/2023	06/13/2023	06/08/2023	05/19/2023	05/19/2023	05/19/2023	06/02/2023	06/19/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023
Lab Sample ID			460-282900-1 460-282938-1	460-282237-6 460-282347-5	460-282237-1 460-282347-1	460-281923-1 460-281924-1	460-280689-5 460-280704-4	460-280689-4 460-280704-3	460-280689-3 460-280704-2	460-281476-1	460-282668-1 460-282669-1	460-282237-2 460-282347-2	460-281923-2 460-281924-2	460-280872-1 460-280916-1	460-281476-2 460-281497-1
Sample Depth (bgs)			8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)
PFAS (mg/kg)															
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3O	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	ND (0.00079) J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	ND (0.00079) J
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	ND (0.00495)	ND (0.00496) J	ND (0.00495) J	ND (0.00493) J	ND (0.00503)	ND (0.00497)	ND (0.00498)	-	ND (0.00497) J	ND (0.00494) J	ND (0.005) J	ND (0.00502)	ND (0.00495) J
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	ND (0.00495) J	ND (0.00496) J	ND (0.00495) J	ND (0.00493) J	ND (0.00503)	ND (0.00497)	ND (0.00498)	-	ND (0.00497) J	ND (0.00494) J	ND (0.005) J	ND (0.00502)	ND (0.00495) J
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	ND (0.00099)	ND (0.00099) J	ND (0.00099) J	ND (0.00099) J	ND (0.00101) J	ND (0.00099) J	ND (0.001) J	-	ND (0.00099) J	ND (0.00099) J	ND (0.001) J	ND (0.001) J	ND (0.00099) J
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	ND (0.00079) J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	ND (0.00079) J
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	ND (0.00079) J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	ND (0.00079) J
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	ND (0.00099)	ND (0.00099) J	ND (0.00099) J	ND (0.00099) J	ND (0.00101)	ND (0.00099)	ND (0.001)	-	ND (0.00099) J	ND (0.00099) J	ND (0.001) J	ND (0.001)	ND (0.00099) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	ND (0.00099)	ND (0.00099) J	ND (0.00099) J	ND (0.00099) J	ND (0.00101)	ND (0.00099)	ND (0.001)	-	ND (0.00099) J	ND (0.00099) J	ND (0.001) J	ND (0.001)	ND (0.00099) J
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	ND (0.00079) J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	ND (0.00079) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	ND (0.00198)	ND (0.00198) J	ND (0.00198) J	ND (0.00197) J	ND (0.00201)	ND (0.00199)	ND (0.00199)	-	ND (0.00199) J	ND (0.00198) J	ND (0.002) J	ND (0.00201)	ND (0.00198) J
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	ND (0.00198)	ND (0.00198) J	ND (0.00198) J	ND (0.00197) J	ND (0.00201)	ND (0.00199)	ND (0.00199)	-	ND (0.00199) J	ND (0.00198) J	ND (0.002) J	ND (0.00201)	ND (0.00198) J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	ND (0.0004)	ND (0.0004) J	ND (0.0004) J	ND (0.00039) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J
Perfluoro(2-ethoxyethane)sulphonic acid (PFEESA)	NA	NA	ND (0.0004)	ND (0.0004) J	ND (0.0004) J	ND (0.00039) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	ND (0.0004)	ND (0.0004) J	ND (0.0004) J	ND (0.00039) J	ND (0.0004)	ND (0.0004)	ND (0.0004)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	ND (0.00079) J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	ND (0.00079) J
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	ND (0.0004)	ND (0.0004) J	ND (0.0004) J	ND (0.00039) J	ND (0.0004)	ND (0.0004)	ND (0.0004)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorobutanoic acid (PFBA)	NA	NA	ND (0.00079)	ND (0.00079) J	ND (0.00079) J	0.00019 J	ND (0.0008)	ND (0.0008)	ND (0.0008)	-	ND (0.00079) J	ND (0.00079) J	ND (0.0008) J	ND (0.0008)	0.00015 J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorodecanoic acid (PFDA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002) J	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorododecanoic acid (PFDoDA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroheptanoic acid (PFHpA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorohexanoic acid (PFHxA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorononane sulfonic acid (PFNS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorononanoic acid (PFNA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	0.000053 J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorooctanesulfonic acid (PFOS)	0.001	0.00088	ND (0.0002)	0.00014 J	ND (0.0002) J	0.00014 J	0.00023 J	ND (0.0002) J	ND (0.0002)	-	ND (0.0002) J	0.00017 J	0.00021 J	0.00055 J	***0.00109 J***
Perfluorooctanoic acid (PFOA)	0.0008	0.00066	0.000088 J	ND (0.0002) J	ND (0.0002) J	0.000051 J	0.000074 J	ND (0.0002)	ND (0.0002)	-	0.000076 J	0.00005 J	0.000095 J	0.000098 J	0.00013 J
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoropentanoic acid (PFPeA)	NA	NA	ND (0.0004)	ND (0.0004) J	ND (0.0004) J	ND (0.00039) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.00199)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.00199)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002)	ND (0.0002)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
ug/kg: micrograms per kilograms

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
R: Rejected

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) and Protection of Groundwater SCO's.
*- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.*
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10	EP-11	EP-12	EP-13	EP-13	EP-14	EP-15	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-HS-1	EP-HS-2
Sample Name			EP-10 (13')	EP-11 (8)	EP-12 (8)	EP-13 (8)	EP-13 (10)	EP-14 (8)	EP-15 (8)	EP-15 (10)	EP-16 (8)	EP-17 (8)	EP-18 (8)	EP-19 (8)	EP-20 (8)	EP-HS-1(14')	EP-HS-2 (14)
Sample Date			07/21/2023	06/14/2023	06/13/2023	06/08/2023	06/15/2023	05/23/2023	06/02/2023	06/09/2023	06/14/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023	06/26/2023	06/15/2023
Lab Sample ID			23G1328-08	460-282317-3 460-282362-3	460-282237-3 460-282347-3	460-281923-3 460-281924-3	460-282429-1	460-280872-2 460-280916-2	460-281476-3 460-281497-2	460-282030-2	460-282317-1 460-282362-1	460-282237-4 460-282347-4	460-281923-4 460-281924-4	460-280872-3 460-280916-3	460-281476-4 460-281497-3	460-283174-5 460-283175-4	460-282429-14 460-282429-5
Sample Depth (bgs)			13 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	14 (ft)	14 (ft)
Volatile Organic Compounds (mg/kg)																	
1,1,1,2-Tetrachloroethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	0.68	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,1,2,2-Tetrachloroethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,1,2-Trichloroethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,1-Dichloroethane	0.27	0.27	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,1-Dichloroethene	0.33	0.33	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,1-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2,3-Trichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2,4-Trimethylbenzene	3.6	3.6	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2-Dichlorobenzene	1.1	1.1	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2-Dichloroethane	0.02	0.02	-	ND (0.00093) J	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093) J	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,2-Dichloroethene (total)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,3,5-Trimethylbenzene	8.4	8.4	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,3-Dichlorobenzene	2.4	2.4	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,3-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
1,4-Diethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	0.12	0.12	-	ND (0.0047)	ND (0.0048)	ND (0.0048)	-	ND (0.0052)	ND (0.0048)	-	ND (0.0046)	ND (0.0049)	ND (0.0047)	ND (0.005)	ND (0.0049)	ND (0.005)	ND (0.0049)
2-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	-	ND (0.0047)	ND (0.0048)	ND (0.0048)	-	ND (0.0052)	ND (0.0048)	-	ND (0.0046)	ND (0.0049)	ND (0.0047)	ND (0.005)	ND (0.0049)	ND (0.005)	ND (0.0049)
2-Phenylbutane (sec-Butylbenzene)	11	11	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
4-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	-	ND (0.0047)	ND (0.0048)	ND (0.0048)	-	ND (0.0052)	ND (0.0048)	-	ND (0.0046)	ND (0.0049)	ND (0.0047)	ND (0.005)	ND (0.0049)	ND (0.005)	ND (0.0049)
Acetone	0.05	0.05	-	ND (0.0056)	ND (0.0057)	ND (0.0057)	-	ND (0.0062)	ND (0.0058)	-	ND (0.0056)	ND (0.0059)	ND (0.0057)	ND (0.006)	ND (0.0059)	ND (0.006)	ND (0.0059)
Acrylonitrile	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	0.06	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Bromobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10 EP-10 (13') 07/21/2023 23G1328-08 13 (ft)	EP-11 EP-11 (8) 06/14/2023 460-282317-3 460-282362-3 8 (ft)	EP-12 EP-12 (8) 06/13/2023 460-282237-3 460-282347-3 8 (ft)	EP-13 EP-13 (8) 06/08/2023 460-281923-3 460-281924-3 8 (ft)	EP-13 EP-13 (10) 06/15/2023 460-282429-1 10 (ft)	EP-14 EP-14 (8) 05/23/2023 460-280872-2 460-280916-2 8 (ft)	EP-15 EP-15 (8) 06/02/2023 460-281476-3 460-281497-2 8 (ft)	EP-15 EP-15 (10) 06/09/2023 460-282030-2 10 (ft)	EP-16 EP-16 (8) 06/14/2023 460-282317-1 460-282362-1 8 (ft)	EP-17 EP-17 (8) 06/13/2023 460-282237-4 460-282347-4 8 (ft)	EP-18 EP-18 (8) 06/08/2023 460-281923-4 460-281924-4 8 (ft)	EP-19 EP-19 (8) 05/23/2023 460-280872-3 460-280916-3 8 (ft)	EP-20 EP-20 (8) 06/02/2023 460-281476-4 460-281497-3 8 (ft)	EP-HS-1 EP-HS-1(14') 06/26/2023 460-283174-5 460-283175-4 14 (ft)	EP-HS-2 EP-HS-2 (14) 06/15/2023 460-282429-14 460-282429-5 14 (ft)
Bromodichloromethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Bromoform	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Bromomethane (Methyl Bromide)	NA	NA	-	ND (0.0019)	ND (0.0019)	ND (0.0019)	-	ND (0.0021)	ND (0.0019)	-	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Carbon tetrachloride	0.76	0.76	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Chlorobenzene	1.1	1.1	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Chlorobromomethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Chloroethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Chloroform (Trichloromethane)	0.37	0.37	-	ND (0.00093) J	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093) J	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Chloromethane (Methyl Chloride)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
cis-1,2-Dichloroethene	0.25	0.25	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
cis-1,3-Dichloropropene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Cyclohexane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Cymene (p-Isopropyltoluene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Dibromomethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Ethyl Ether	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	1	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Hexachlorobutadiene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
m,p-Xylenes	NA	NA	-	ND (0.00093)	ND (0.00096)	0.00027 J	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Methyl acetate	NA	NA	-	ND (0.0047)	ND (0.0048)	ND (0.0048)	-	ND (0.0052)	ND (0.0048)	-	ND (0.0046)	ND (0.0049)	ND (0.0047)	ND (0.005)	ND (0.0049)	ND (0.005)	ND (0.0049)
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Methylcyclohexane	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Methylene chloride (Dichloromethane)	0.05	0.05	-	ND (0.0019)	ND (0.0019)	ND (0.0019)	-	ND (0.0021)	ND (0.0019)	-	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	12	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
n-Propylbenzene	3.9	3.9	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
o-Xylene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Styrene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
tert-Butylbenzene	5.9	5.9	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Tetrachloroethene	1.3	1.3	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Toluene	0.7	0.7	-	ND (0.00093)	ND (0.00096)	0.00063 J	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
trans-1,2-Dichloroethene	0.19	0.19	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
trans-1,3-Dichloropropene	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
trans-1,4-Dichloro-2-butene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	0.47	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Trichlorofluoromethane (CFC-11)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001) J	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001) J	ND (0.00098)	ND (0.001)	ND (0.00099)
Trifluorotrichloroethane (Freon 113)	NA	NA	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Vinyl acetate	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	0.02	-	ND (0.00093)	ND (0.00096)	ND (0.00096)	-	ND (0.001)	ND (0.00097)	-	ND (0.00093)	ND (0.00098)	ND (0.00095)	ND (0.001)	ND (0.00098)	ND (0.001)	ND (0.00099)
Xylene (Total)	1.6	0.26	-	ND (0.0019)	ND (0.0019)	0.00027 J	-	ND (0.0021)	ND (0.0019)	-	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4,5-Tetrachlorobenzene	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
1,2,4-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.034)
2,2'-oxybis(1-Chloropropane)	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2,3,4,6-Tetrachlorophenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2,4,5-Trichlorophenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2,4,6-Trichlorophenol	NA	NA	-	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
2,4-Dichlorophenol	NA	NA	-	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
2,4-Dimethylphenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
2,4-Dinitrophenol	NA	NA	-	ND (0.28)	ND (0.27)	ND (0.27)	-	ND (0.28)	ND (0.28)	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.27)
2,4-Dinitrotoluene	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
2,6-Dinitrotoluene	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10 EP-10 (13') 07/21/2023 23G1328-08 13 (ft)	EP-11 EP-11 (8) 06/14/2023 460-282317-3 460-282362-3 8 (ft)	EP-12 EP-12 (8) 06/13/2023 460-282237-3 460-282347-3 8 (ft)	EP-13 EP-13 (8) 06/08/2023 460-281923-3 460-281924-3 8 (ft)	EP-13 EP-13 (10) 06/15/2023 460-282429-1 10 (ft)	EP-14 EP-14 (8) 05/23/2023 460-280872-2 460-280916-2 8 (ft)	EP-15 EP-15 (8) 06/02/2023 460-281476-3 460-281497-2 8 (ft)	EP-15 EP-15 (10) 06/09/2023 460-282030-2 10 (ft)	EP-16 EP-16 (8) 06/14/2023 460-282317-1 460-282362-1 8 (ft)	EP-17 EP-17 (8) 06/13/2023 460-282237-4 460-282347-4 8 (ft)	EP-18 EP-18 (8) 06/08/2023 460-281923-4 460-281924-4 8 (ft)	EP-19 EP-19 (8) 05/23/2023 460-280872-3 460-280916-3 8 (ft)	EP-20 EP-20 (8) 06/02/2023 460-281476-4 460-281497-3 8 (ft)	EP-HS-1 EP-HS-1(14') 06/26/2023 460-283174-5 460-283175-4 14 (ft)	EP-HS-2 EP-HS-2 (14) 06/15/2023 460-282429-14 460-282429-5 14 (ft)
2-Chloronaphthalene	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
2-Chlorophenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2-Methylnaphthalene	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	0.012 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
2-Methylphenol (o-Cresol)	0.33	0.33	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2-Nitroaniline	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
2-Nitrophenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
3&4-Methylphenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
3,3'-Dichlorobenzidine	NA	NA	-	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
3-Nitroaniline	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
4,6-Dinitro-2-methylphenol	NA	NA	-	ND (0.28)	ND (0.27)	ND (0.27)	-	ND (0.28)	ND (0.28)	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.27)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
4-Chloro-3-methylphenol	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
4-Chloroaniline	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
4-Chlorophenyl phenyl ether	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
4-Methylphenol	0.33	0.33	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
4-Nitroaniline	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
4-Nitrophenol	NA	NA	-	ND (0.7)	ND (0.69)	ND (0.69)	-	ND (0.71)	ND (0.7)	-	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.71)	ND (0.7)	ND (0.69)	ND (0.69)
Acenaphthene	98	20	-	0.022 J	ND (0.34)	ND (0.34)	-	ND (0.35)	0.03 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Acenaphthylene	107	100	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	0.04 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Acetophenone	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
Anthracene	1000	100	-	0.054 J	ND (0.34)	0.013 J	-	0.025 J	0.059 J	-	ND (0.35)	ND (0.34)	ND (0.34)	0.018 J	ND (0.34) J	ND (0.34)	ND (0.34)
Atrazine	NA	NA	-	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Benzaldehyde	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Benzo(a)anthracene	1	1	-	0.14	0.035	0.067	-	0.1	0.34	-	ND (0.035)	0.033 J	0.037	0.086	0.052	ND (0.034) J	0.026 J
Benzo(a)pyrene	22	1	-	0.12	0.031 J	0.063	-	0.1	0.37	-	0.015 J	0.027 J	0.034	0.077	0.043	ND (0.034)	0.018 J
Benzo(b)fluoranthene	1.7	1	-	0.15	0.033 J	0.073	-	0.11	0.59	-	0.018 J	0.029 J	0.039	0.092	0.055	ND (0.034)	0.021 J
Benzo(g,h,i)perylene	1000	100	-	0.071 J	0.019 J	0.039 J	-	0.053 J	0.28 J	-	ND (0.35)	0.017 J	0.022 J	0.048 J	0.029 J	ND (0.34) J	0.01 J
Benzo(k)fluoranthene	1.7	0.8	-	0.057	0.015 J	0.03 J	-	0.05	0.21	-	0.0076 J	0.015 J	0.02 J	0.032 J	0.026 J	ND (0.034) J	ND (0.034)
Benzoic acid	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
bis(2-Chloroethoxy)methane	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
bis(2-Chloroethyl)ether	NA	NA	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.034)
bis(2-Ethylhexyl)phthalate	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	0.052 J	ND (0.34) J	ND (0.34)
Butyl benzylphthalate (BBP)	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Caprolactam	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Carbazole	NA	NA	-	0.014 J	ND (0.34)	ND (0.34)	-	ND (0.35)	0.073 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34) J	ND (0.34)	ND (0.34)
Chrysene	1	1	-	0.15 J	0.029 J	0.064 J	-	0.11 J	0.4	-	0.015 J	0.031 J	0.034 J	0.096 J	0.04 J	ND (0.34)	0.022 J
Dibenz(a,h)anthracene	1000	0.33	-	0.018 J	ND (0.034)	ND (0.034)	-	ND (0.035)	0.082	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.034)
Dibenzofuran	210	7	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	0.03 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
Diethyl phthalate	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
Dimethyl phthalate	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
Di-n-butylphthalate (DBP)	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35) J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34) J	ND (0.34) J	ND (0.34)
Di-n-octyl phthalate (DnOP)	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Fluoranthene	1000	100	-	0.3 J	0.053 J	0.12 J	-	0.17 J	0.96 J	-	0.03 J	0.063 J	0.057 J	0.17 J	0.086 J	ND (0.34) J	0.039 J
Fluorene	386	30	-	0.016 J	ND (0.34)	ND (0.34)	-	ND (0.35)	0.03 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34) J	ND (0.34)
Hexachlorobenzene	3.2	0.33	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.034)
Hexachlorobutadiene	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Hexachlorocyclopentadiene	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35) J	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	0.34 R	0.34 R
Hexachloroethane	NA	NA	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034) J	ND (0.034)
Indeno(1,2,3-cd)pyrene	8.2	0.5	-	0.077	0.022 J	0.049	-	0.06	0.34	-	ND (0.035)	0.019 J	0.026 J	0.047	0.038	ND (0.034)	ND (0.034)
Isophorone	NA	NA	-	ND (0.14)	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14) J	ND (0.14)
Naphthalene	12	12	-	0.013 J	ND (0.34)	ND (0.34)	-	ND (0.35)	0.027 J	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Nitrobenzene	NA	NA	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034) J	ND (0.034)
N-Nitrosodi-n-propylamine	NA	NA	-	ND (0.035)	ND (0.034)	ND (0.034)	-	ND (0.035)	ND (0.035)	-	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.034)
N-Nitrosodiphenylamine	NA	NA	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Pentachlorophenol	0.8	0.8	-	ND (0.28)	ND (0.27)	ND (0.27)	-	ND (0.28)	ND (0.28) J	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28) J	ND (0.27)	ND (0.27)
Phenanthrene	1000	100	-	0.21 J	0.032 J	0.065 J	-	0.13 J	0.66 J	-	0.02 J	0.059 J	0.032 J	0.15 J	0.051 J	ND (0.34)	0.025 J
Phenol	0.33	0.33	-	ND (0.35)	ND (0.34)	ND (0.34)	-	ND (0.35)	ND (0.35)	-	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)
Pyrene	1000	100	-	0.27 J	0.055 J	0.12 J	-	0.18 J	0.76 J	-	0.031 J	0.056 J	0.061 J	0.22 J	0.074 J	ND (0.34)	0.039 J

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10 EP-10 (13') 07/21/2023 23G1328-08 13 (ft)	EP-11 EP-11 (8) 06/14/2023 460-282317-3 460-282362-3 8 (ft)	EP-12 EP-12 (8) 06/13/2023 460-282237-3 460-282347-3 8 (ft)	EP-13 EP-13 (8) 06/08/2023 460-281923-3 460-281924-3 8 (ft)	EP-13 EP-13 (10) 06/15/2023 460-282429-1 10 (ft)	EP-14 EP-14 (8) 05/23/2023 460-280872-2 460-280916-2 8 (ft)	EP-15 EP-15 (8) 06/02/2023 460-281476-3 460-281497-2 8 (ft)	EP-15 EP-15 (10) 06/09/2023 460-282030-2 10 (ft)	EP-16 EP-16 (8) 06/14/2023 460-282317-1 460-282362-1 8 (ft)	EP-17 EP-17 (8) 06/13/2023 460-282237-4 460-282347-4 8 (ft)	EP-18 EP-18 (8) 06/08/2023 460-281923-4 460-281924-4 8 (ft)	EP-19 EP-19 (8) 05/23/2023 460-280872-3 460-280916-3 8 (ft)	EP-20 EP-20 (8) 06/02/2023 460-281476-4 460-281497-3 8 (ft)	EP-HS-1 EP-HS-1(14') 06/26/2023 460-283174-5 460-283175-4 14 (ft)	EP-HS-2 EP-HS-2 (14) 06/15/2023 460-282429-14 460-282429-5 14 (ft)
Inorganic Compounds (mg/kg)																	
Aluminum	NA	NA	-	6210	4600 J	3560	2610	5200	4000	-	3790	3290 J	3110	3210	3540	2800	3200
Antimony	NA	NA	-	ND (0.96)	ND (0.92) J	ND (0.9)	ND (0.86) J	ND (0.95) J	ND (0.89)	-	ND (0.82)	ND (0.87) J	ND (0.94)	ND (0.9) J	ND (0.77)	ND (0.92)	ND (0.99) J
Arsenic	16	13	-	1.4	1.3	1.4	1.1 J	2.3	1.9	-	1.2	1.3	1.3	1.2	1.2	1.7	1.3 J
Barium	820	350	-	31.6	28.8 J-	29.1	18.6	28.6	47	-	26.8	30.1 J-	21.7	21.7	23.2	21.5	30.2
Beryllium	47	7.2	-	0.23 J	0.26 J	0.25 J	0.17 J	0.28 J	0.26 J	-	0.21 J	0.26 J	0.19 J	0.21 J	0.22 J	0.2 J	0.2 J
Cadmium	7.5	2.5	-	ND (0.96)	ND (0.92)	ND (0.9)	0.099 J	ND (0.95)	0.34 J	-	ND (0.82)	ND (0.87)	0.13 J	ND (0.9)	ND (0.77)	ND (0.92)	0.15 J
Calcium	NA	NA	-	2050	2160 J+	9060	16400	9480	4340	-	966	660 J+	24100	2430	1090	646	1430
Chromium	NA	NA	-	10.3	9.3	9.3	6.2	12.3	9.8	-	8.8	8.3	7.1	13.4	8.2	10.9	7.2
Chromium VI (Hexavalent)	19	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	NA	-	3.4	3.2 J-	3.5	2.5	4	3.2	-	2.5	3.6 J-	2.6	3.2	3.1	2.7	2.8
Copper	1720	50	-	10.7	9.6 J-	9	6.9 J	11.8	11	-	8.4	8 J-	9.5	8.5	8	7.5	8.4 J
Iron	NA	NA	-	11700	12500 J	13400	8750	15400	13200	-	12100	13400 J	8750	11500	10700	13900	11100
Lead	450	63	-	18.9	12.7 J	76.3	10.7 J	18	50.6	-	8.5	7.3 J	9.3	9.9	9.5	2.2	21.8 J
Magnesium	NA	NA	-	1670	1500 J+	5120	9500	5940 J+	1370	-	1170	1200 J+	14100	1850 J+	1460	1030	1200
Manganese	2000	1600	-	204	233 J	307	202	278 J-	234	-	184	342 J	203	223 J-	224	289	298
Mercury	0.73	0.18	-	0.061	0.037	0.026	0.036	0.049	0.084	-	0.026	0.048	0.06	0.024	0.013 J	0.019	0.047
Nickel	130	30	-	8.1	8.5 J-	6.5	4.7	8.5	7	-	5.6	7 J-	5.7	6.4	6.7	6	5.9
Potassium	NA	NA	-	353	351 J-	416	320	611 J-	394	-	457	308 J-	333	334 J-	378	314	414
Selenium	4	3.9	-	ND (1.2)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.2)	0.13 J	-	ND (1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (0.96)	ND (1.2)	ND (1.2)
Silver	8.3	2	-	ND (0.38)	ND (0.37)	ND (0.36)	ND (0.35)	ND (0.38)	ND (0.36)	-	ND (0.33)	ND (0.35)	ND (0.38)	ND (0.36)	ND (0.31)	ND (0.37)	ND (0.39)
Sodium	NA	NA	-	211	114 J	106	88.2	132	121	-	129	86.6 J	ND (94.5)	93.3	120	125	119
Thallium	NA	NA	-	ND (0.38)	ND (0.37)	0.042 J	ND (0.35)	0.046 J	0.051 J	-	ND (0.33)	0.041 J	ND (0.38)	ND (0.36)	0.036 J	ND (0.37)	ND (0.39)
Vanadium	NA	NA	-	14.9	14.7 J+	12.7	13.2 J	20.8 J-	14.7	-	13.3	12.9 J+	12.2	13.3 J-	12	13.3	12.4 J
Zinc	2480	109	-	22.8	24.6	28.8	19.6	38.2 J+	40.9	-	16.7	18.6	33.5	22.3 J+	19.4	18.9	51.5
TCLP Inorganic Compounds (mg/L)																	
Arsenic	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1221 (PCB-1221)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1232 (PCB-1232)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1242 (PCB-1242)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1248 (PCB-1248)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1254 (PCB-1254)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1260 (PCB-1260)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1262 (PCB-1262)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Aroclor-1268 (PCB-1268)	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Polychlorinated biphenyls (PCBs)	3.2	0.1	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	-	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
Other																	
Percent Solids, weight (%)	NA	NA	93.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (%)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10	EP-11	EP-12	EP-13	EP-13	EP-14	EP-15	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-HS-1	EP-HS-2
Sample Name			EP-10 (13')	EP-11 (8)	EP-12 (8)	EP-13 (8)	EP-13 (10)	EP-14 (8)	EP-15 (8)	EP-15 (10)	EP-16 (8)	EP-17 (8)	EP-18 (8)	EP-19 (8)	EP-20 (8)	EP-HS-1(14')	EP-HS-2 (14)
Sample Date			07/21/2023	06/14/2023	06/13/2023	06/08/2023	06/15/2023	05/23/2023	06/02/2023	06/09/2023	06/14/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023	06/26/2023	06/15/2023
Lab Sample ID			23G1328-08	460-282317-3 460-282362-3	460-282237-3 460-282347-3	460-281923-3 460-281924-3	460-282429-1	460-280872-2 460-280916-2	460-281476-3 460-281497-2	460-282030-2	460-282317-1 460-282362-1	460-282237-4 460-282347-4	460-281923-4 460-281924-4	460-280872-3 460-280916-3	460-281476-4 460-281497-3	460-283174-5 460-283175-4	460-282429-14 460-282429-5
Sample Depth (bgs)			13 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	14 (ft)	14 (ft)
Pesticides (mg/kg)																	
4,4'-DDD	14	0.0033	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
4,4'-DDE	17	0.0033	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	0.003 J	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
4,4'-DDT	136	0.0033	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	0.0081	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Aldrin	0.19	0.005	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
alpha-BHC	0.02	0.02	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)
alpha-Chlordane (cis)	2.9	0.094	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	0.0029 J	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
beta-BHC	0.09	0.036	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)
Chlordane	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)
delta-BHC	0.25	0.04	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)
Dieldrin	0.1	0.005	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)
Endosulfan I	102	2.4	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Endosulfan II	102	2.4	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Endosulfan sulfate	1000	2.4	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Endrin	0.06	0.014	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Endrin aldehyde	NA	NA	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Endrin ketone	NA	NA	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
gamma-BHC (Lindane)	0.1	0.1	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	-	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)	ND (0.0021)
gamma-Chlordane (trans)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.38	0.042	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Heptachlor epoxide	NA	NA	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Methoxychlor	NA	NA	-	ND (0.007)	ND (0.0069)	ND (0.0069)	-	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.0071)	ND (0.007)	ND (0.0069)	ND (0.0069)
Toxaphene	NA	NA	-	ND (0.07)	ND (0.069)	ND (0.069)	-	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.071)	ND (0.07)	ND (0.069)	ND (0.069)

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

Location Name	Action Level: Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Action Level: NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-10	EP-11	EP-12	EP-13	EP-13	EP-14	EP-15
Sample Name			EP-10 (13')	EP-11 (8)	EP-12 (8)	EP-13 (8)	EP-13 (10)	EP-14 (8)	EP-15 (8)
Sample Date			07/21/2023	06/14/2023	06/13/2023	06/08/2023	06/15/2023	05/23/2023	06/02/2023
Lab Sample ID			23G1328-08	460-282317-3 460-282362-3	460-282237-3 460-282347-3	460-281923-3 460-281924-3	460-282429-1	460-280872-2 460-280916-2	460-281476-3 460-281497-2
Sample Depth (bgs)			13 (ft)	8 (ft)	8 (ft)	8 (ft)	10 (ft)	8 (ft)	8 (ft)
PFAS (mg/kg)									
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3O	NA	NA	ND (0.000329) J	ND (0.0008) J	ND (0.0008) J	ND (0.0008) J	-	ND (0.0008)	ND (0.0008) J
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	ND (0.00222) J	ND (0.005) J	ND (0.00499) J	ND (0.00498) J	-	ND (0.00503)	ND (0.00498) J
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	ND (0.00159) J	ND (0.005) J	ND (0.00499) J	ND (0.00498) J	-	ND (0.00503)	ND (0.00498) J
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	ND (0.000671) J	ND (0.001) J	ND (0.001) J	ND (0.001) J	-	ND (0.00101) J	ND (0.001) J
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	ND (0.000184) J	ND (0.0008) J	ND (0.0008) J	ND (0.0008) J	-	ND (0.0008)	ND (0.0008) J
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	ND (0.00063)	ND (0.0008) J	ND (0.0008) J	ND (0.0008) J	-	ND (0.0008)	ND (0.0008) J
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	ND (0.00063)	ND (0.001) J	ND (0.001) J	ND (0.001) J	-	ND (0.00101)	ND (0.001) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	ND (0.000799) J	ND (0.001) J	ND (0.001) J	ND (0.001) J	-	ND (0.00101)	ND (0.001) J
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	ND (0.00026) J	ND (0.0008) J	ND (0.0008) J	ND (0.0008) J	-	ND (0.0008)	ND (0.0008) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	ND (0.000205) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	ND (0.000209) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	ND (0.000737) J	ND (0.002) J	ND (0.002) J	ND (0.00199) J	-	ND (0.00201)	ND (0.00199) J
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	ND (0.000157) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	ND (0.00019) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	ND (0.000646) J	ND (0.002) J	ND (0.002) J	ND (0.00199) J	-	ND (0.00201)	ND (0.00199) J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	ND (0.000204)	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004) J	ND (0.0004) J
Perfluoro(2-ethoxyethane)sulphonic acid (PFEESA)	NA	NA	ND (0.000147) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004) J	ND (0.0004) J
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	ND (0.000102) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004)	ND (0.0004) J
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	ND (0.000643)	ND (0.0008) J	ND (0.0008) J	ND (0.0008) J	-	ND (0.0008)	ND (0.0008) J
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	ND (0.0000656) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004)	ND (0.0004) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	ND (0.000117)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorobutanoic acid (PFBA)	NA	NA	0.000115 R	ND (0.0008) J	ND (0.0008) J	0.00011 J	-	ND (0.0008)	ND (0.0008) J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	ND (0.000202) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorodecanoic acid (PFDA)	NA	NA	ND (0.000202)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	ND (0.000179) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorododecanoic acid (PFDoDA)	NA	NA	ND (0.000172) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	ND (0.000164) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluoroheptanoic acid (PFHpA)	NA	NA	ND (0.000111)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	ND (0.000189)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorohexanoic acid (PFHxA)	NA	NA	ND (0.0000561)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorononane sulfonic acid (PFNS)	NA	NA	ND (0.000131) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorononanoic acid (PFNA)	NA	NA	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	ND (0.000154) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluorooctanesulfonic acid (PFOS)	0.001	0.00088	ND (0.000177) J	ND (0.0002) J	ND (0.0002) J	0.00013 J	-	0.00036 J	0.00041 J
Perfluorooctanoic acid (PFOA)	0.0008	0.00066	ND (0.000182)	ND (0.0002) J	0.000071 J	0.00021 J	-	0.000076 J	0.000088 J
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	ND (0.000166)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluoropentanoic acid (PFPeA)	NA	NA	ND (0.000115) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	-	ND (0.0004) J	ND (0.0004) J
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	ND (0.000109) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002) J	ND (0.0002) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	ND (0.000132) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	ND (0.000209) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	-	ND (0.0002)	ND (0.0002) J

Location Name	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-HS-1	EP-HS-2
Sample Name	EP-15 (10)	EP-16 (8)	EP-17 (8)	EP-18 (8)	EP-19 (8)	EP-20 (8)	EP-HS-1(14')	EP-HS-2 (14)
Sample Date	06/09/2023	06/14/2023	06/13/2023	06/08/2023	05/23/2023	06/02/2023	06/26/2023	06/15/2023
Lab Sample ID	460-282030-2	460-282317-1 460-282362-1	460-282237-4 460-282347-4	460-281923-4 460-281924-4	460-280872-3 460-280916-3	460-281476-4 460-281497-3	460-283174-5 460-283175-4	460-282429-14 460-282429-5
Sample Depth (bgs)	10 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	8 (ft)	14 (ft)	14 (ft)
PFAS (mg/kg)								
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3O	-	ND (0.00079) J	ND (0.0008) J	ND (0.0008) J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	-	ND (0.00496) J	ND (0.005) J	ND (0.005) J	ND (0.00494)	ND (0.00496) J	ND (0.005)	ND (0.00495) J
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	-	ND (0.00496) J	ND (0.005) J	ND (0.005) J	ND (0.00494)	ND (0.00496) J	ND (0.005) J	ND (0.00495) J
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	-	ND (0.00099) J	ND (0.001) J	ND (0.001) J	ND (0.00099)	ND (0.00099) J	ND (0.001)	ND (0.00099) J
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	-	ND (0.00079) J	ND (0.0008) J	ND (0.0008) J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	-	ND (0.00079) J	ND (0.0008) J	ND (0.0008) J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	-	ND (0.00099) J	ND (0.001) J	ND (0.001) J	ND (0.00099)	ND (0.00099) J	ND (0.001)	ND (0.00099) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	-	ND (0.00099) J	ND (0.001) J	ND (0.001) J	ND (0.00099)	ND (0.00099) J	ND (0.001)	ND (0.00099) J
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	-	ND (0.00079) J	ND (0.0008) J	ND (0.0008) J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	-	ND (0.00198) J	ND (0.002) J	ND (0.002) J	ND (0.00198)	ND (0.00198) J	ND (0.002)	ND (0.00198) J
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	-	ND (0.00198) J	ND (0.002) J	ND (0.002) J	ND (0.00198)	ND (0.00198) J	ND (0.002)	ND (0.00198) J
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluoro(2-ethoxyethane)sulphonic acid (PFEESA)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluoro(4-methoxybutanoic) acid (PFMBA)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	-	ND (0.00079) J	ND (0.0008) J	ND (0.0008) J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluorobutanesulfonic acid (PFBS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorobutanoic acid (PFBA)	-	ND (0.00079) J	ND (0.0008) J	0.00016 J	ND (0.00079)	ND (0.00079) J	ND (0.0008)	ND (0.00079) J
Perfluorodecanesulfonic acid (PFDS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorodecanoic acid (PFDA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorododecane sulfonic acid (PFDoDS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J
Perfluorododecanoic acid (PFDoDA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroheptanesulfonic acid (PFHpS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroheptanoic acid (PFHpA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorohexanesulfonic acid (PFHxS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorohexanoic acid (PFHxA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorononane sulfonic acid (PFNS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorononanoic acid (PFNA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorooctane sulfonamide (PFOSA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorooctanesulfonic acid (PFOS)	-	ND (0.0002) J	0.00014 J	0.000082 J	0.00064 J	0.00045 J	ND (0.0002)	ND (0.0002) J
Perfluorooctanoic acid (PFOA)	-	ND (0.0002) J	ND (0.0002) J	0.000094 J	0.00011 J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoropentanesulfonic acid (PFPeS)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoropentanoic acid (PFPeA)	-	ND (0.0004) J	ND (0.0004) J	ND (0.0004) J	ND (0.0004)	ND (0.0004) J	ND (0.0004)	ND (0.0004) J
Perfluorotetradecanoic acid (PFTeDA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluorotridecanoic acid (PFTrDA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J
Perfluoroundecanoic acid (PFUnDA)	-	ND (0.0002) J	ND (0.0002) J	ND (0.0002) J	ND (0.0002)	ND (0.0002) J	ND (0.0002)	ND (0.0002) J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
ug/kg: micrograms per kilograms

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
R: Rejected

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) and Protection of Groundwater SCO's.
*- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.*
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3 EP-HS-3 (14) 06/09/2023 460-282030-3 460-282039-4 14 (ft)	SW-01 SW-01(13') 06/26/2023 460-283174-6 13 (ft)	SW-02 SW-02(13') 06/26/2023 460-283174-7 13 (ft)	SW-03 SW-03(13') 06/26/2023 460-283174-8 13 (ft)	SW-04 SW-04(13') 06/26/2023 460-283174-9 13 (ft)	SW-05 SW-5 (13) 06/15/2023 460-282429-6 13 (ft)	SW-06 SW-6 (13) 06/15/2023 460-282429-7 13 (ft)	SW-07 SW-7 (13) 06/15/2023 460-282429-8 13 (ft)	SW-08 DUP-03_20230615 06/15/2023 460-282429-10 13 (ft)	SW-08 SW-8 (13) 06/15/2023 460-282429-9 13 (ft)	SW-09 SW-9 (13) 06/09/2023 460-282030-4 13 (ft)	SW-10 SW-10 (13) 06/09/2023 460-282030-5 13 (ft)	SW-11 SW-11 (13) 06/09/2023 460-282030-6 13 (ft)	SW-12 SW-12 (13) 06/09/2023 460-282030-7 13 (ft)	SW-12A SW-12A(13) 06/21/2023 460-282801-1 13 (ft)
Volatile Organic Compounds (mg/kg)																	
1,1,1,2-Tetrachloroethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	0.68	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,1,2,2-Tetrachloroethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,1,2-Trichloroethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,1-Dichloroethane	0.27	0.27	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,1-Dichloroethene	0.33	0.33	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,1-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2,3-Trichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2,4-Trimethylbenzene	3.6	3.6	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2-Dichlorobenzene	1.1	1.1	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2-Dichloroethane	0.02	0.02	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,2-Dichloroethene (total)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,3,5-Trimethylbenzene	8.4	8.4	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,3-Dichlorobenzene	2.4	2.4	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,3-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
1,4-Diethylbenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	0.12	0.12	ND (0.0053)	ND (0.0053)	ND (0.0046)	ND (0.0048)	ND (0.0055)	ND (0.0049)	ND (0.0041)	ND (0.0045)	ND (0.0044)	ND (0.005)	ND (0.0052)	ND (0.0051)	ND (0.0056)	ND (0.0049)	-
2-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	NA	ND (0.0053)	ND (0.0053)	ND (0.0046)	ND (0.0048)	ND (0.0055)	ND (0.0049)	ND (0.0041)	ND (0.0045)	ND (0.0044)	ND (0.005)	ND (0.0052)	ND (0.0051)	ND (0.0056)	ND (0.0049)	-
2-Phenylbutane (sec-Butylbenzene)	11	11	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
4-Chlorotoluene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	ND (0.0053)	ND (0.0053)	ND (0.0046)	ND (0.0048)	ND (0.0055)	ND (0.0049)	ND (0.0041)	ND (0.0045)	ND (0.0044)	ND (0.005)	ND (0.0052)	ND (0.0051)	ND (0.0056)	ND (0.0049)	-
Acetone	0.05	0.05	ND (0.0064)	ND (0.0064)	ND (0.0055)	ND (0.0057)	ND (0.0067)	ND (0.0059)	ND (0.0049)	ND (0.0055)	ND (0.0053)	ND (0.006)	ND (0.0063)	ND (0.0061)	ND (0.0067)	ND (0.0058)	-
Acrylonitrile	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	0.06	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Bromobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

Location Name / Sample Name / Sample Date / Lab Sample ID / Sample Depth (bgs)	Action Level: Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Action Level: NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3 EP-HS-3 (14) 06/09/2023 460-282030-3 460-282039-4 14 (ft)	SW-01 SW-01(13') 06/26/2023 460-283174-6 13 (ft)	SW-02 SW-02(13') 06/26/2023 460-283174-7 13 (ft)	SW-03 SW-03(13') 06/26/2023 460-283174-8 13 (ft)	SW-04 SW-04(13') 06/26/2023 460-283174-9 13 (ft)	SW-05 SW-5 (13) 06/15/2023 460-282429-6 13 (ft)	SW-06 SW-6 (13) 06/15/2023 460-282429-7 13 (ft)	SW-07 SW-7 (13) 06/15/2023 460-282429-8 13 (ft)	SW-08 DUP-03_20230615 06/15/2023 460-282429-10 13 (ft)	SW-08 SW-8 (13) 06/15/2023 460-282429-9 13 (ft)	SW-09 SW-9 (13) 06/09/2023 460-282030-4 13 (ft)	SW-10 SW-10 (13) 06/09/2023 460-282030-5 13 (ft)	SW-11 SW-11 (13) 06/09/2023 460-282030-6 13 (ft)	SW-12 SW-12 (13) 06/09/2023 460-282030-7 13 (ft)	SW-12A SW-12A(13) 06/21/2023 460-282801-1 13 (ft)
Bromodichloromethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Bromoform	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Bromomethane (Methyl Bromide)	NA	NA	ND (0.0021)	ND (0.0021)	ND (0.0018)	ND (0.0019)	ND (0.0022)	ND (0.002)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.002)	ND (0.0021)	ND (0.002)	ND (0.0022)	ND (0.0019)	-
Carbon disulfide	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Carbon tetrachloride	0.76	0.76	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Chlorobenzene	1.1	1.1	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Chlorobromomethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Chloroethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Chloroform (Trichloromethane)	0.37	0.37	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Chloromethane (Methyl Chloride)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
cis-1,2-Dichloroethene	0.25	0.25	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
cis-1,3-Dichloropropene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Cyclohexane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Cymene (p-Isopropyltoluene)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Dibromomethane	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Ethyl Ether	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	1	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Hexachlorobutadiene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
m,p-Xylenes	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Methyl acetate	NA	NA	ND (0.0053)	ND (0.0053)	ND (0.0046)	ND (0.0048)	ND (0.0055)	ND (0.0049)	ND (0.0041)	ND (0.0045)	ND (0.0044)	ND (0.005)	ND (0.0052)	ND (0.0051)	ND (0.0056)	ND (0.0049)	-
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	0.00082 J	-
Methylcyclohexane	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Methylene chloride (Dichloromethane)	0.05	0.05	ND (0.0021)	ND (0.0021)	ND (0.0018)	ND (0.0019)	ND (0.0022)	ND (0.002)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.002)	ND (0.0021)	ND (0.002)	ND (0.0022)	ND (0.0019)	-
Naphthalene	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	12	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
n-Propylbenzene	3.9	3.9	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
o-Xylene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Styrene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
tert-Butylbenzene	5.9	5.9	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Tetrachloroethene	1.3	1.3	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Toluene	0.7	0.7	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
trans-1,2-Dichloroethene	0.19	0.19	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
trans-1,3-Dichloropropene	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
trans-1,4-Dichloro-2-butene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	0.47	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Trichlorofluoromethane (CFC-11)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Trifluorotrichloroethane (Freon 113)	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Vinyl acetate	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	0.02	ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.00095)	ND (0.0011)	ND (0.00098)	ND (0.00081)	ND (0.00091)	ND (0.00089)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00097)	-
Xylene (Total)	1.6	0.26	ND (0.0021)	ND (0.0021)	ND (0.0018)	ND (0.0019)	ND (0.0022)	ND (0.002)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.002) J	ND (0.0021)	ND (0.002)	ND (0.0022)	ND (0.0019)	-
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4,5-Tetrachlorobenzene	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	0.1	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	NA	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	NA	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	NA	ND (0.28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07	SW-08	SW-08	SW-09	SW-10	SW-11	SW-12	SW-12A
Sample Name			EP-HS-3 (14)	SW-01(13')	SW-02(13')	SW-03(13')	SW-04(13')	SW-5 (13)	SW-6 (13)	SW-7 (13)	DUP-03_20230615	SW-8 (13)	SW-9 (13)	SW-10 (13)	SW-11 (13)	SW-12 (13)	SW-12A(13)
Sample Date			06/09/2023	06/26/2023	06/26/2023	06/26/2023	06/26/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/09/2023	06/09/2023	06/09/2023	06/09/2023	06/21/2023
Lab Sample ID			460-282030-3 460-282039-4	460-283174-6	460-283174-7	460-283174-8	460-283174-9	460-282429-6	460-282429-7	460-282429-8	460-282429-10	460-282429-9	460-282030-4	460-282030-5	460-282030-6	460-282030-7	460-282801-1
Sample Depth (bgs)			14 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)
2-Chloronaphthalene	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	0.33	0.33	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	NA	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	NA	ND (0.28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	0.33	0.33	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	NA	NA	ND (0.7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	98	20	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	107	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1000	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	NA	NA	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	1	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	22	1	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1.7	1	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	1000	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	1.7	0.8	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	NA	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	1	1	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1000	0.33	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	210	7	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1000	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	386	30	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	3.2	0.33	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	NA	NA	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	8.2	0.5	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	NA	NA	ND (0.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	12	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	NA	NA	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	NA	ND (0.035)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	NA	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	0.8	0.8	ND (0.28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1000	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	0.33	0.33	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1000	100	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																		
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07	SW-08	SW-08	SW-09	SW-10	SW-11	SW-12	SW-12A
Sample Name			EP-HS-3 (14)	SW-01(13')	SW-02(13')	SW-03(13')	SW-04(13')	SW-5 (13)	SW-6 (13)	SW-7 (13)	DUP-03_20230615	SW-8 (13)	SW-9 (13)	SW-10 (13)	SW-11 (13)	SW-12 (13)	SW-12A(13)
Sample Date			06/09/2023	06/26/2023	06/26/2023	06/26/2023	06/26/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/09/2023	06/09/2023	06/09/2023	06/09/2023	06/21/2023
Lab Sample ID			460-282030-3 460-282039-4	460-283174-6	460-283174-7	460-283174-8	460-283174-9	460-282429-6	460-282429-7	460-282429-8	460-282429-10	460-282429-9	460-282030-4	460-282030-5	460-282030-6	460-282030-7	460-282801-1
Sample Depth (bgs)			14 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)
Inorganic Compounds (mg/kg)																	
Aluminum	NA	NA	3770	2360	2690	2260	2990	3060	3920	2940	3830	3680	3070	3210	3260	4040	-
Antimony	NA	NA	ND (0.91)	ND (0.77)	ND (0.91)	ND (0.84)	ND (1)	ND (1.1) J	ND (0.92) J	ND (0.96) J	ND (0.94) J	ND (1) J	ND (0.86)	ND (1)	ND (0.79)	ND (0.83)	-
Arsenic	16	13	1.2	1.4	1	0.73 J	0.79 J	1 J	1.9 J	1.3 J	1.6 J	1.5	1.1	1.1	0.95	1.5	-
Barium	820	350	20.8	15.5	18.6	16.2	16.4	23.4	31.1	23	37.4	32.1 J+	18.2	21.5	23.3	31.7	-
Beryllium	47	7.2	0.22 J	0.17 J	0.17 J	0.16 J	0.15 J	0.21 J	0.28 J	0.23 J	0.23 J	0.24 J	0.2 J	0.22 J	0.22 J	0.22 J	-
Cadmium	7.5	2.5	ND (0.91)	ND (0.77)	ND (0.91)	ND (0.84)	ND (1)	ND (1.1)	ND (0.92)	ND (0.96)	ND (0.94)	ND (1)	ND (0.86)	ND (1)	ND (0.79)	ND (0.83)	-
Calcium	NA	NA	974	545	533	480	514	628	2260	1250	3380 J	6890 J	1210	554	557	3330	-
Chromium	NA	NA	11.5	6.6	8.2	5.7	7.2	8.3	10.9	8.2	10.2	8.9	9.8	7.3	9.3	8.6	-
Chromium VI (Hexavalent)	19	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	NA	NA	4	2.8	3.6	2.3	2.5	3.5	3.2	3.1	5.7 J	3.1 J	2.9	3.3	3.2	4.7	-
Copper	1720	50	8	5.5	7.1	6.2	5.9	7.7 J	10 J	9.4 J	10.4 J	10.2 J+	6.6	9.9	7.9	14	-
Iron	NA	NA	13900	8130	10600	8930	8840	13300	16800	14700	12400	11500 J	10500	11300	13400	15100	-
Lead	450	63	2.8	1.8	1.8	1.7	1.9	3 J	21.7 J	14.5 J	33.4 J	29.7	2.2	2.4	3.1	36.4	-
Magnesium	NA	NA	2100	1210	1010	794	963	950	1760	1170	1610 J	4030 J	1060	1130	964	1870	-
Manganese	2000	1600	270	187	271	183	167	483	315	363	248	206 J+	181	247	286	252	-
Mercury	0.73	0.18	0.013 J	0.012 J	0.016 J	0.017	0.014 J	0.013 J	0.035	0.022	0.054	0.056	0.014 J	0.0084 J	0.011 J	0.36	0.0099 J
Nickel	130	30	10.3	6.3	5.8	4.5	4.7	6.5	7.2	5.7	6.9	6.7	5.6	6.7	7	7	-
Potassium	NA	NA	473	375	364	297	288	400	387	342	417	436	324	413	298	353	-
Selenium	4	3.9	ND (1.1)	ND (0.96)	ND (1.1)	ND (1.1)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.1)	ND (1.3)	ND (0.99)	ND (1)	-
Silver	8.3	2	ND (0.37)	ND (0.31)	ND (0.37)	ND (0.34)	ND (0.4)	ND (0.43)	ND (0.37)	ND (0.39)	ND (0.37)	ND (0.42)	ND (0.34)	ND (0.4)	ND (0.32)	ND (0.33)	-
Sodium	NA	NA	293	101	118	115	160	124	99.3	99.7	111	121	171	163	137	207	-
Thallium	NA	NA	ND (0.37)	ND (0.31)	ND (0.37)	ND (0.34)	ND (0.4)	ND (0.43)	ND (0.37)	ND (0.39)	ND (0.37)	ND (0.42)	ND (0.34)	ND (0.4)	0.038 J	0.035 J	-
Vanadium	NA	NA	14.1	8.6	11.8	9.1	9.7	13.3 J	15.9 J	15.6 J	12.9 J	13.1 J+	12.2	11.9	15.1	16.6	-
Zinc	2480	109	15.3	10.9	12.2	14.7	11.7	14.4	25	16.9	33.3	28.8	13	13.9	14.7	36.5	-
TCLP Inorganic Compounds (mg/L)																	
Arsenic	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	3.2	0.1	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other																	
Percent Solids, weight (%)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Solids (%)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07	SW-08	SW-08	SW-09	SW-10	SW-11	SW-12	SW-12A
Sample Name			EP-HS-3 (14)	SW-01(13')	SW-02(13')	SW-03(13')	SW-04(13')	SW-5 (13)	SW-6 (13)	SW-7 (13)	DUP-03_20230615	SW-8 (13)	SW-9 (13)	SW-10 (13)	SW-11 (13)	SW-12 (13)	SW-12A(13)
Sample Date			06/09/2023	06/26/2023	06/26/2023	06/26/2023	06/26/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/09/2023	06/09/2023	06/09/2023	06/09/2023	06/21/2023
Lab Sample ID			460-282030-3 460-282039-4	460-283174-6	460-283174-7	460-283174-8	460-283174-9	460-282429-6	460-282429-7	460-282429-8	460-282429-10	460-282429-9	460-282030-4	460-282030-5	460-282030-6	460-282030-7	460-282801-1
Sample Depth (bgs)			14 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)
Pesticides (mg/kg)																	
4,4'-DDD	14	0.0033	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	17	0.0033	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	136	0.0033	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	0.19	0.005	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-BHC	0.02	0.02	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-Chlordane (cis)	2.9	0.094	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-BHC	0.09	0.036	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
delta-BHC	0.25	0.04	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.1	0.005	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	102	2.4	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	102	2.4	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	1000	2.4	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.06	0.014	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	NA	NA	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	NA	NA	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	0.1	0.1	ND (0.0021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.38	0.042	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	NA	NA	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	NA	NA	ND (0.007)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	NA	NA	ND (0.07)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V
REMEDIAL PERFORMANCE/CONFIRMATION ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level																	
Location Name	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EP-HS-3	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07	SW-08	SW-08	SW-09	SW-10	SW-11	SW-12	SW-12A
Sample Name			EP-HS-3 (14)	SW-01(13')	SW-02(13')	SW-03(13')	SW-04(13')	SW-5 (13)	SW-6 (13)	SW-7 (13)	DUP-03_20230615	SW-8 (13)	SW-9 (13)	SW-10 (13)	SW-11 (13)	SW-12 (13)	SW-12A(13)
Sample Date			06/09/2023	06/26/2023	06/26/2023	06/26/2023	06/26/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/15/2023	06/09/2023	06/09/2023	06/09/2023	06/09/2023	06/21/2023
Lab Sample ID			460-282030-3 460-282039-4	460-283174-6	460-283174-7	460-283174-8	460-283174-9	460-282429-6	460-282429-7	460-282429-8	460-282429-10	460-282429-9	460-282030-4	460-282030-5	460-282030-6	460-282030-7	460-282801-1
Sample Depth (bgs)			14 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)
PFAS (mg/kg)																	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3O	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	ND (0.00496) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	ND (0.00496) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	ND (0.00099) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	ND (0.00099) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	ND (0.00099) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	ND (0.00199) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	ND (0.00199) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	ND (0.0004) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane)sulphonic acid (PFEESA)	NA	NA	ND (0.0004) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	ND (0.0004) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	ND (0.0004) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	NA	ND (0.00079) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.001	0.00088	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.0008	0.00066	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	NA	ND (0.0004) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	NA	ND (0.0002) J	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram
ug/kg: micrograms per kilograms

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
R: Rejected

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) and Protection of Groundwater SCO's.
*- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.*
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

TABLE VI
TANK IDENTIFICATION AND LIQUID WASTE DISPOSAL SUMMARY
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Tank ID	PBS Tank No.	AST/UST	Date Identified	Volume (Gal)	Contents	Liquid Waste Disposal (Gal)	Solid Waste Disposal (lbs)	Date Removed
UST-001	**UST-44**	UST	5/9/2023	550	Gasoline/Water	531	0	5/12/2023
UST-002	**UST-45**	UST	5/9/2023	550	Gasoline/Water	532	200	5/18/2023
UST-003	**UST-46**	UST	5/11/2023	550	None	0	0	5/12/2023
UST-004	**UST-47**	UST	5/12/2023	550	Gasoline/Water	532	200	5/18/2023
UST-005	**UST-48**	UST	5/17/2023	550	Gasoline/Water	95	0	5/18/2023

Notes:
Tank ID is the number assigned to each tank by field personnel
PBS Tank No. is the number used in the petroleum bulk storage application
AST/UST - Aboveground Storage Tank/Underground Storage Tank

TABLE VII
TANK ENDPOINT SAMPLING RESULTS
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level		
Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Unrestricted Use Soil Cleanup Objectives	UST-1 UST-1 (5) 05/15/2023 460-280345-1 5 (ft)
Volatile Organic Compounds (mg/kg)			
1,2,4-Trimethylbenzene	3.6	3.6	ND (0.00096)
1,3,5-Trimethylbenzene	8.4	8.4	ND (0.00096)
2-Phenylbutane (sec-Butylbenzene)	11	11	ND (0.00096)
Benzene	0.06	0.06	ND (0.00096)
Cymene (p-Isopropyltoluene)	NA	NA	ND (0.00096)
Ethylbenzene	1	1	ND (0.00096)
Isopropylbenzene (Cumene)	NA	NA	ND (0.00096)
Methyl Tert Butyl Ether (MTBE)	0.93	0.93	ND (0.00096)
Naphthalene	12	12	ND (0.0014)
n-Butylbenzene	12	12	ND (0.00096)
n-Propylbenzene	3.9	3.9	ND (0.00096)
tert-Butylbenzene	5.9	5.9	ND (0.00096)
Toluene	0.7	0.7	ND (0.00096)
Xylene (Total)	1.6	0.26	ND (0.0019)
Semi-Volatile Organic Compounds (mg/kg)			
Acenaphthene	98	20	ND (0.36)
Acenaphthylene	107	100	ND (0.36)
Anthracene	1000	100	ND (0.36)
Benzo(a)anthracene	1	1	0.046
Benzo(a)pyrene	22	1	0.053
Benzo(b)fluoranthene	1.7	1	0.063
Benzo(g,h,i)perylene	1000	100	0.043 J
Benzo(k)fluoranthene	1.7	0.8	0.028 J
Chrysene	1	1	0.045 J
Dibenz(a,h)anthracene	1000	0.33	ND (0.036)
Fluoranthene	1000	100	0.052 J
Fluorene	386	30	ND (0.36)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.045
Naphthalene	12	12	ND (0.36)
Phenanthrene	1000	100	0.021 J
Pyrene	1000	100	0.079 J
Inorganic Compounds (mg/kg)			
Aluminum	NA	NA	6140
Antimony	NA	NA	0.33 J
Arsenic	16	13	2.6
Barium	820	350	45.5
Beryllium	47	7.2	0.34 J
Cadmium	7.5	2.5	0.2 J
Calcium	NA	NA	10900
Chromium	NA	NA	12.6
Cobalt	NA	NA	3.6
Copper	1720	50	16.6
Iron	NA	NA	14300
Lead	450	63	51.2
Magnesium	NA	NA	2180
Manganese	2000	1600	246
Mercury	0.73	0.18	0.19
Nickel	130	30	8.3
Potassium	NA	NA	706
Selenium	4	3.9	0.13 J
Silver	8.3	2	ND (0.35)
Sodium	NA	NA	126
Thallium	NA	NA	0.045 J
Vanadium	NA	NA	18.8
Zinc	2480	109	65.8

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram
ug/kg: micrograms per kilograms

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) and Protection of Groundwater SCO's.
*- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.*
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

TABLE VIII
SUMMARY OF WATER QUALITY DATA
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level						
Location Name	New York TOGS	MW-1	MW-2	MW-3	MW-4	MW-5	QA/QC
Sample Name	111 Ambient	MW-01-20230817	MW-02-20230817	MW-03-20230817	MW-04-20230817	MW-05-20230817	DUP1_20230817
Sample Date	Water Quality	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023
Lab Sample ID	Standards	460-286578-1	460-286578-2	460-286578-3	460-286578-4	460-286578-5	460-286578-6
Volatile Organic Compounds (ug/L)							
1,1,1-Trichloroethane	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,1,2,2-Tetrachloroethane	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,1,2-Trichloroethane	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,1-Dichloroethane	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,1-Dichloroethene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2,3-Trichlorobenzene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2,4-Trichlorobenzene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2,4-Trimethylbenzene	5	9.4	ND (1)	0.37 J	ND (1)	2300	ND (1)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2-Dichlorobenzene	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2-Dichloroethane	0.6	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,2-Dichloropropane	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,3,5-Trimethylbenzene	5	2.3	ND (1)	ND (1)	ND (1)	460	ND (1)
1,3-Dichlorobenzene	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
1,4-Dichlorobenzene	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
2-Butanone (Methyl Ethyl Ketone)	50	ND (5)	ND (5)	ND (5)	3.1 J	44	ND (5)
2-Hexanone (Methyl Butyl Ketone)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)
2-Phenylbutane (sec-Butylbenzene)	5	ND (1)	ND (1)	ND (1)	11	21	ND (1)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)
Acetone	50	ND (5)	ND (5)	ND (5)	5.9	74	ND (5)
Benzene	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Bromodichloromethane	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Bromoform	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Bromomethane (Methyl Bromide)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Carbon disulfide	60	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Carbon tetrachloride	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Chlorobenzene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Chlorobromomethane	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Chloroethane	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Chloroform (Trichloromethane)	7	1.7	12	7.9	0.94 J	5.5	12
Chloromethane (Methyl Chloride)	5	0.53 J	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
cis-1,2-Dichloroethene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
cis-1,3-Dichloropropene	0.4	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Cyclohexane	NA	0.62 J	ND (1)	ND (1)	ND (1)	210	ND (1)
Dibromochloromethane	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Dichlorodifluoromethane (CFC-12)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Ethylbenzene	5	1.2	ND (1)	ND (1)	ND (1)	640	ND (1)
Isopropylbenzene (Cumene)	5	0.42 J	ND (1)	ND (1)	2.3	130	ND (1)
m,p-Xylenes	5	2.3	ND (1)	ND (1)	ND (1)	1200	ND (1)
Methyl acetate	NA	ND (5) *	ND (5) *	ND (5) *	ND (5) *	ND (25) *	ND (5) *
Methyl Tert Butyl Ether (MTBE)	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Methylcyclohexane	NA	1.2	ND (1)	ND (1)	9.6	200	ND (1)
Methylene chloride (Dichloromethane)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
n-Butylbenzene	5	0.8 J	ND (1)	ND (1)	8.4	43	ND (1)
n-Propylbenzene	5	2	ND (1)	ND (1)	5.5	390	ND (1)
o-Xylene	5	ND (1)	ND (1)	ND (1)	ND (1)	28	ND (1)
Styrene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
tert-Butylbenzene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Tetrachloroethene	5	ND (1)	ND (1)	0.68 J	ND (1)	ND (5)	0.26 J
Toluene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
trans-1,2-Dichloroethene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
trans-1,3-Dichloropropene	0.4	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Trichloroethene	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Trichlorofluoromethane (CFC-11)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Trifluorotrichloroethane (Freon 113)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Vinyl chloride	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
Xylene (Total)	5	2.3	ND (2)	ND (2)	ND (2)	1200	ND (2)

TABLE VIII
SUMMARY OF WATER QUALITY DATA
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level						
Location Name	New York TOGS	MW-1	MW-2	MW-3	MW-4	MW-5	QA/QC
Sample Name	111 Ambient	MW-01-20230817	MW-02-20230817	MW-03-20230817	MW-04-20230817	MW-05-20230817	DUP1_20230817
Sample Date	Water Quality	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023
Lab Sample ID	Standards	460-286578-1	460-286578-2	460-286578-3	460-286578-4	460-286578-5	460-286578-6
Semi-Volatile Organic Compounds (ug/L)							
1,2,4,5-Tetrachlorobenzene	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,2'-oxybis(1-Chloropropane)	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,3,4,6-Tetrachlorophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-Trichlorophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,6-Trichlorophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-Dichlorophenol	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-Dimethylphenol	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-Dinitrophenol	10	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
2,4-Dinitrotoluene	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,6-Dinitrotoluene	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2-Chloronaphthalene	10	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Chlorophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Methylnaphthalene	NA	ND (10)	ND (10)	ND (10)	ND (10)	110	ND (10)
2-Methylphenol (o-Cresol)	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Nitroaniline	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Nitrophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3&4-Methylphenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3,3'-Dichlorobenzidine	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3-Nitroaniline	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4,6-Dinitro-2-methylphenol	NA	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chloro-3-methylphenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chloroaniline	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chlorophenyl phenyl ether	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Methylphenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Nitroaniline	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Nitrophenol	NA	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acenaphthene	20	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acenaphthylene	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetophenone	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Anthracene	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Atrazine	7.5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Benzaldehyde	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(a)anthracene	0.002	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Benzo(a)pyrene	0	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Benzo(b)fluoranthene	0.002	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Benzo(g,h,i)perylene	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(k)fluoranthene	0.002	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Biphenyl	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethyl)ether	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
bis(2-Ethylhexyl)phthalate	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Butyl benzylphthalate (BBP)	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Caprolactam	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbazole	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chrysene	0.002	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Dibenz(a,h)anthracene	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Dibenzofuran	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diethyl phthalate	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dimethyl phthalate	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-butylphthalate (DBP)	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-octyl phthalate (DnOP)	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Fluoranthene	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Fluorene	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	0.04	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	0.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorocyclopentadiene	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachloroethane	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Indeno(1,2,3-cd)pyrene	0.002	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Isophorone	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	10	ND (2)	ND (2)	ND (2)	ND (2)	230	ND (2)
Nitrobenzene	0.4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-Nitrosodi-n-propylamine	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-Nitrosodiphenylamine	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Pentachlorophenol	1	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Phenanthrene	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Phenol	1	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Pyrene	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

TABLE VIII
SUMMARY OF WATER QUALITY DATA
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK
FILE NO. 0205125

	Action Level						
Location Name	New York TOGS	MW-1	MW-2	MW-3	MW-4	MW-5	QA/QC
Sample Name	111 Ambient	MW-01-20230817	MW-02-20230817	MW-03-20230817	MW-04-20230817	MW-05-20230817	DUP1_20230817
Sample Date	Water Quality	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023	08/17/2023
Lab Sample ID	Standards	460-286578-1	460-286578-2	460-286578-3	460-286578-4	460-286578-5	460-286578-6
Inorganic Compounds (ug/L)							
Aluminum, Dissolved	NA	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Antimony, Dissolved	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Arsenic, Dissolved	25	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Barium, Dissolved	1000	42.7	68.9	30.9	62.2	45.8	67
Beryllium, Dissolved	3	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Cadmium, Dissolved	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Calcium, Dissolved	NA	17900	48100	20800	33900	23400	48700
Chromium, Dissolved	50	ND (4)	2.8 J	ND (4)	ND (4)	ND (4)	2.4 J
Cobalt, Dissolved	NA	ND (4)	ND (4)	ND (4)	0.68 J	1.2 J	ND (4)
Copper, Dissolved	200	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Iron, Dissolved	300	ND (120)	ND (120)	ND (120)	ND (120)	134	ND (120)
Lead, Dissolved	25	ND (1.2)	ND (1.2)	ND (1.2)	2.5	4.8	ND (1.2)
Magnesium, Dissolved	35000	5370	15300	2750	6220	5630	15600
Manganese, Dissolved	300	18	10.6	2 J	2450	1430	12.8
Mercury, Dissolved	0.7	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel, Dissolved	100	3.4 J	1.5 J	ND (4)	3 J	2.1 J	ND (4)
Potassium, Dissolved	NA	5690	2560	2900	5050	1810	2520
Selenium, Dissolved	10	1.9 J	1.8 J	1.5 J	1 J	0.87 J	1.9 J
Silver, Dissolved	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Sodium, Dissolved	20000	113000 B	87200 B	132000 B	153000 B	48300 B	86600 B
Thallium, Dissolved	0.5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Vanadium, Dissolved	NA	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Zinc, Dissolved	2000	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)
Aluminum, Total	NA	172	29.1 J	267	47.8	122	120
Antimony, Total	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Arsenic, Total	25	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Barium, Total	1000	40.8	68.3	37	75.4	52.4	61.1
Beryllium, Total	3	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Cadmium, Total	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Calcium, Total	NA	16700	49100	20200	34400	22400	46400
Chromium, Total	50	11	4.7	ND (4)	6.1	11.1	9.1
Cobalt, Total	NA	0.57 J	ND (4)	0.65 J	0.83 J	1.6 J	0.61 J
Copper, Total	200	2 J	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Iron, Total	300	609	92.3 J	710	3380	6730	371
Lead, Total	25	ND (1.2)	ND (1.2)	ND (1.2)	2.8	7.2	ND (1.2)
Magnesium, Total	35000	4960	15000	2390	6570	5630	14600
Manganese, Total	300	32.1	17.9	63.1	2670	1480	43
Mercury, Total	0.7	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel, Total	100	7	2.7 J	2.7 J	5.3	8.4	4.6
Potassium, Total	NA	5720	2600	3020	5210	1760	2450
Selenium, Total	10	2 J	1.7 J	1.3 J	0.89 J	1 J	1.6 J
Silver, Total	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Sodium, Total	20000	111000	86100	130000	151000	42400	78900
Thallium, Total	0.5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Vanadium, Total	NA	ND (4)	ND (4)	1 J	ND (4)	ND (4)	ND (4)
Zinc, Total	2000	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)

ABBREVIATIONS AND NOTES:

µg/L: micrograms per liter

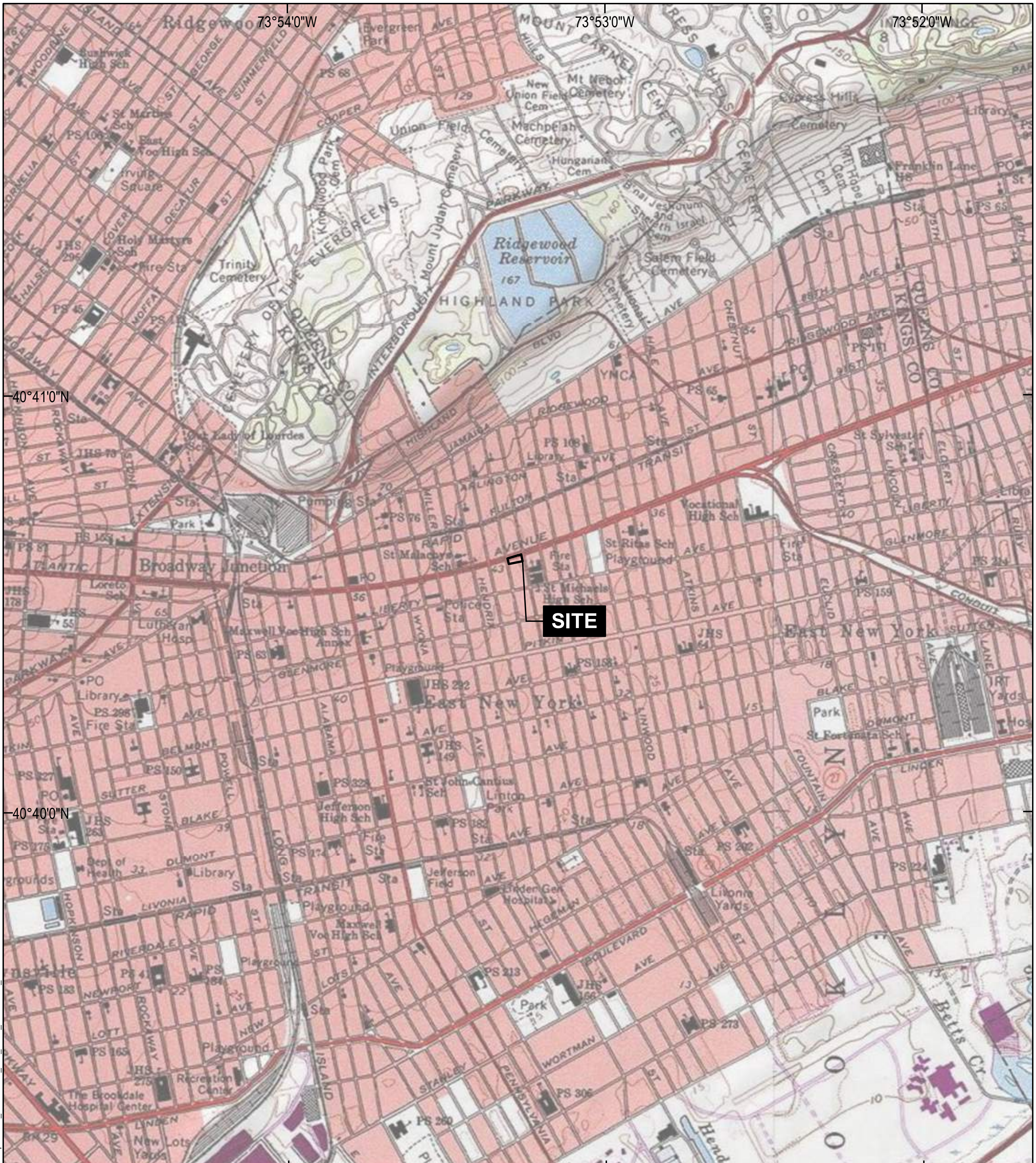
**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

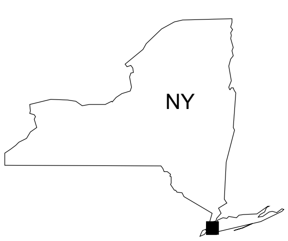
- For test methods used, see the laboratory data sheets.
- Groundwater analytical results are compared to NY-AWQS: NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water.
- Yellow shading indicates an exceedance of the AWQS criteria.

TABLE IX
IMPORTED MATERIAL QUANTITIES AND SOURCES
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE, BROOKLYN, NEW YORK

Source (Quarry)	Mine Certification	Supplier	Material Type	Quantity Imported (tons)
Mount Hope Quarry, 625 Mount Hope Rd, Wharton, NJ 07885	004851	Tilcon New York Inc.	3/4" clean stone (ASTM #57)	225.25
			Total	225.25

FIGURES





N

MAP SOURCE: UNITED STATES
GEOLOGICAL SURVEY (USGS)
SITE COORDINATES: 40°40'36"N, 73°53'17"W

HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
AUGUST 2023

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\0205126\GIS\Maps\2023_07\205126_000_0001_PROJECT_LOCUS.mxd - dverrier - 7/27/2023 10:06:12 AM

LEGEND

UNDERGROUND COMMUTER RAIL LINE

SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

0 30 60
SCALE IN FEET

HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

SITE PLAN

AUGUST 2023

FIGURE 2

GIS:\\haleyaldrich.com\share\CF\Projects\0205126\GIS\Maps\2023_07\205126_000_0002_SITE_PLAN.mxd - dverrier - 8/2/2023 11:15:14 AM

LEGEND

- WASTE CHARACTERIZATION SOIL BORING
- WASTE CHARACTERIZATION SOIL BORING, SEPTEMBER 2022
- LEAD DELINEATION SAMPLE (INDICATES 5 FOOT STEP OUT)
- TOTAL/TCLP SAMPLE
- UNDERGROUND COMMUTER RAIL LINE
- INTERIM REMEDIAL MEASURES (IRM) EXCAVATION
- WASTE CLASSIFICATION GRID
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TCLP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE
3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

0 30 60
SCALE IN FEET

HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

WASTE CHARACTERIZATION SAMPLES

AUGUST 2023

FIGURE 3

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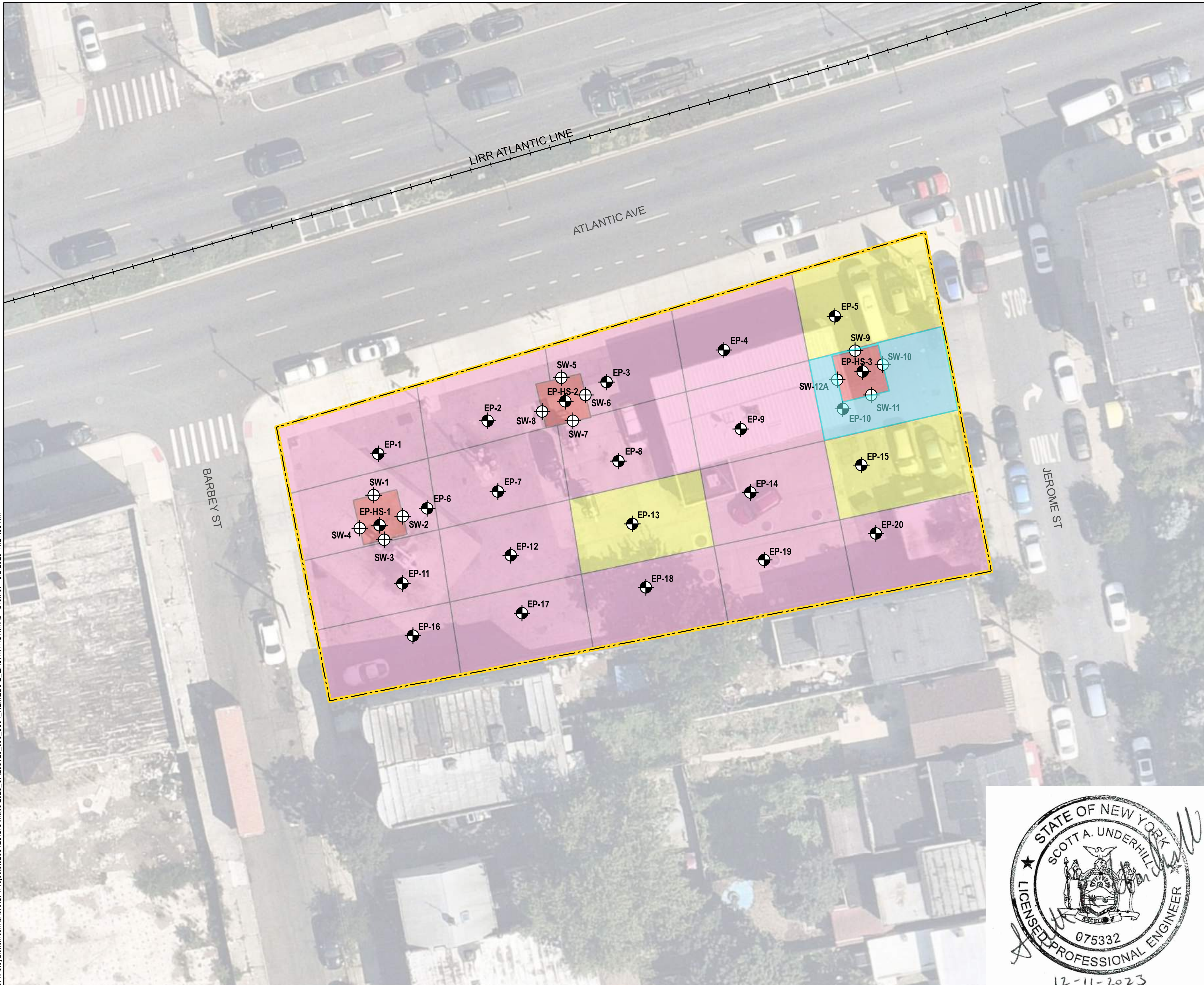


LEGEND

- ENDPOINT SAMPLE
- SIDEWALL SAMPLE
- UNDERGROUND COMMUTER RAIL LINE
- REMEDIAL EXCAVATION TO 8 FT BGS
- REMEDIAL EXCAVATION TO 10 FT BGS
- REMEDIAL EXCAVATION TO 13 FT BGS
- REMEDIAL EXCAVATION TO 14 FT BGS
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. FT BGS = FEET BELOW GROUND SURFACE
3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

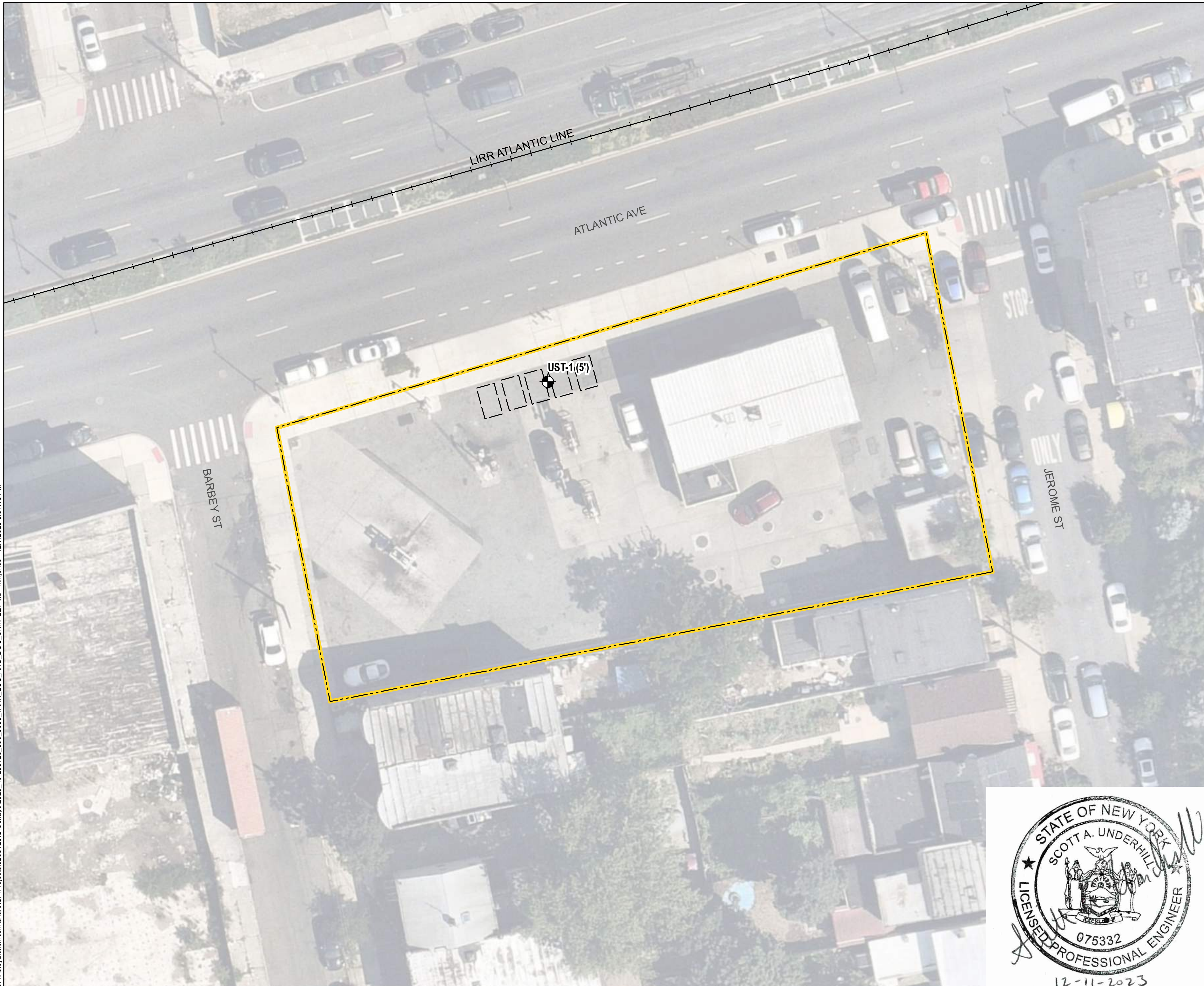
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

REMEDIAL EXCAVATION

AUGUST 2023

FIGURE 4

GIS: \\haleyaldrich.com\share\CF\Projects\0205126\GIS\Maps\2023_07\205126_000_0004_REMEDIAL_EXCAVATION.mxd - dverrier - 8/2/2023 11:21:55 AM



LEGEND

- DOCUMENTATION SAMPLE
- UNDERGROUND COMMUTER RAIL LINE
- UNDERGROUND STORAGE TANK (UST)
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

N

0 30 60

SCALE IN FEET

HALEY ALDRICH

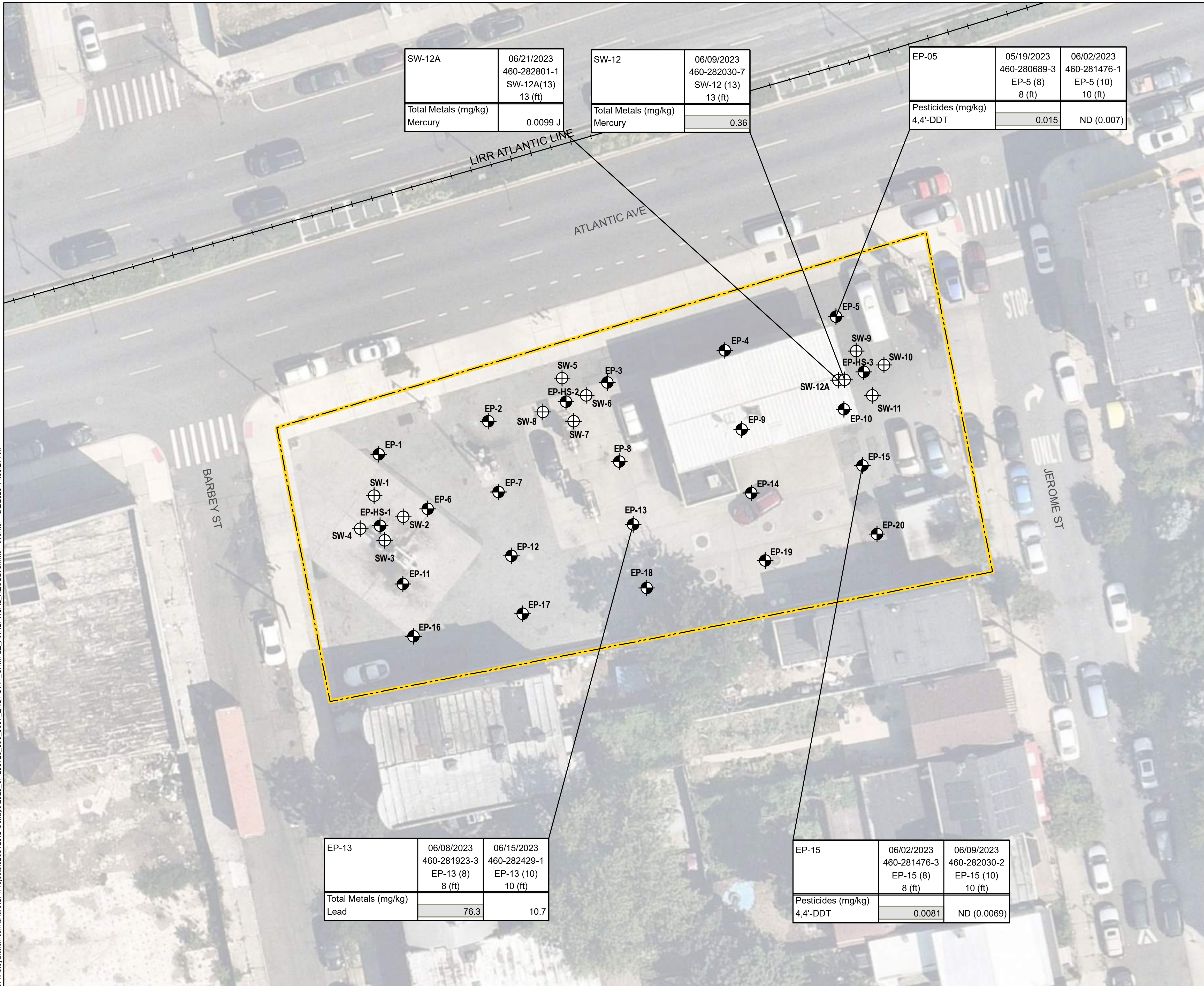
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

TANK LOCATION AND
DOUMENTATION SAMPLE MAP

DECEMBER 2023

FIGURE 5

GIS: \\haleyaldrich.com\share\CF\Projects\0205126\GIS\Maps\2023_10\0205126_000_0006_TANK_LOC_AND_DOC_SAMPLE.mxd - mmjones - 12/7/2023 3:31:13 PM



SW-12A	06/21/2023 460-282801-1 SW-12A(13) 13 (ft)
Total Metals (mg/kg)	
Mercury	0.0099 J

SW-12	06/09/2023 460-282030-7 SW-12 (13) 13 (ft)
Total Metals (mg/kg)	
Mercury	0.36

EP-05	05/19/2023 460-280689-3 EP-5 (8) 8 (ft)	06/02/2023 460-281476-1 EP-5 (10) 10 (ft)
Pesticides (mg/kg)		
4,4'-DDT	0.015	ND (0.007)

EP-13	06/08/2023 460-281923-3 EP-13 (8) 8 (ft)	06/15/2023 460-282429-1 EP-13 (10) 10 (ft)
Total Metals (mg/kg)		
Lead	76.3	10.7

EP-15	06/02/2023 460-281476-3 EP-15 (8) 8 (ft)	06/09/2023 460-282030-2 EP-15 (10) 10 (ft)
Pesticides (mg/kg)		
4,4'-DDT	0.0081	ND (0.0069)

LEGEND

- ENDPOINT SAMPLE
- SIDEWALL SAMPLE
- UNDERGROUND COMMUTER RAIL LINE
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCOS), RESTRICTED-RESIDENTIAL SCOS, AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24.
3. NY-UNRES = NYSDEC PART 375 UNRESTRICTED USE SCO
4. EXCEEDANCES OF THE NY-UNRES SCOS ARE SHADED GRAY
5. RESULTS ARE DISPLAYED IN MILLIGRAMS PER KILOGRAM (mg/kg)
6. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

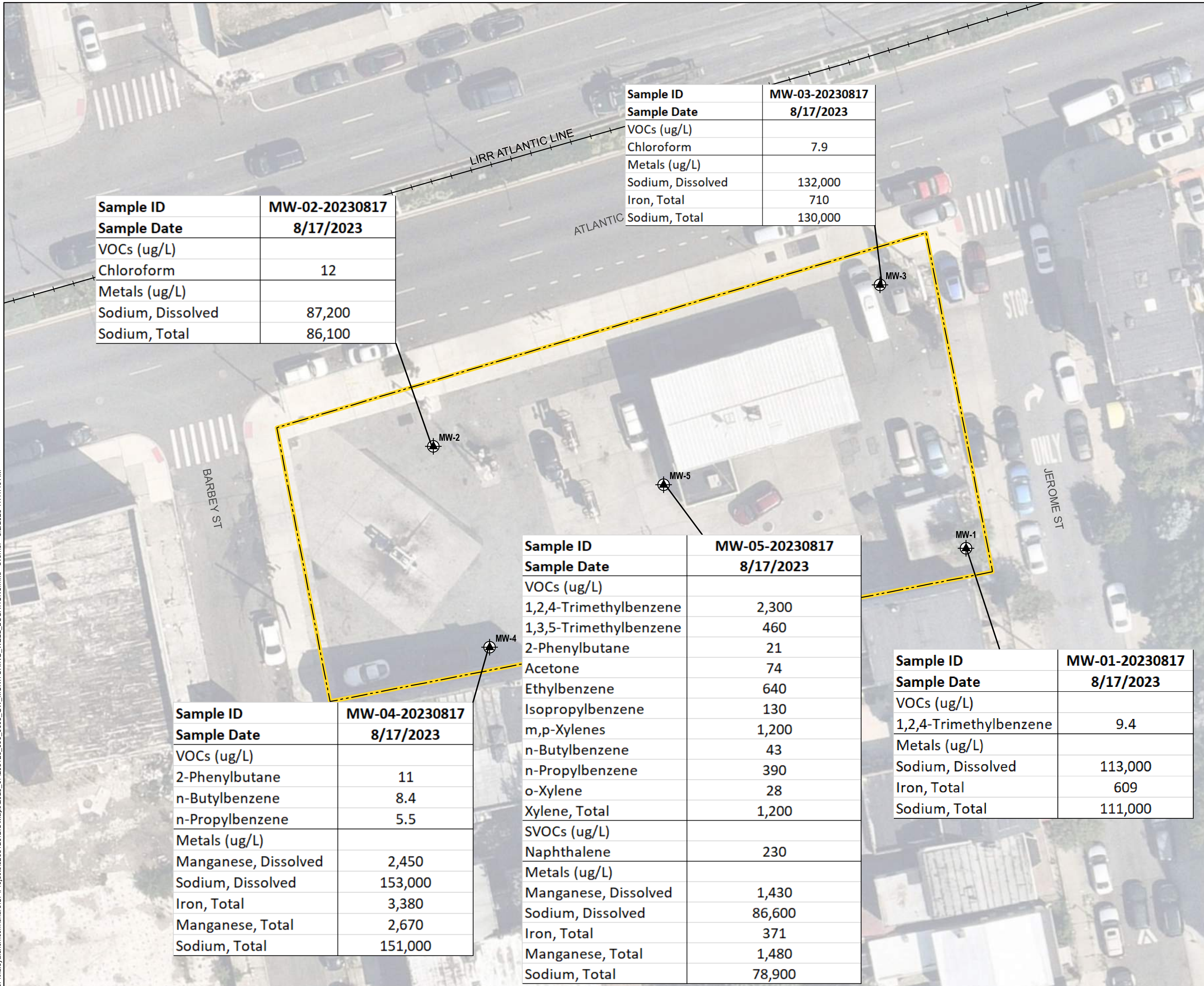
2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

ENDPOINT SAMPLE ANALYTICAL RESULTS

DECEMBER 2023

FIGURE 6

GIS:\\haleyaldrich.com\share\CF\Projects\0205126\GIS\Maps\2023_07\205126_000_0007_ENDPOINT_SAMPLE_ANALYTICAL_RESULTS.mxd - dverrier - 8/2/2023 11:30:27 AM



Sample ID	MW-03-20230817
Sample Date	**8/17/2023**
VOCs (ug/L)	
Chloroform	7.9
Metals (ug/L)	
Sodium, Dissolved	132,000
Iron, Total	710
Sodium, Total	130,000

Sample ID	MW-02-20230817
Sample Date	**8/17/2023**
VOCs (ug/L)	
Chloroform	12
Metals (ug/L)	
Sodium, Dissolved	87,200
Sodium, Total	86,100

Sample ID	MW-05-20230817
Sample Date	**8/17/2023**
VOCs (ug/L)	
1,2,4-Trimethylbenzene	2,300
1,3,5-Trimethylbenzene	460
2-Phenylbutane	21
Acetone	74
Ethylbenzene	640
Isopropylbenzene	130
m,p-Xylenes	1,200
n-Butylbenzene	43
n-Propylbenzene	390
o-Xylene	28
Xylene, Total	1,200
SVOCs (ug/L)	
Naphthalene	230
Metals (ug/L)	
Manganese, Dissolved	1,430
Sodium, Dissolved	86,600
Iron, Total	371
Manganese, Total	1,480
Sodium, Total	78,900

Sample ID	MW-01-20230817
Sample Date	**8/17/2023**
VOCs (ug/L)	
1,2,4-Trimethylbenzene	9.4
Metals (ug/L)	
Sodium, Dissolved	113,000
Iron, Total	609
Sodium, Total	111,000

Sample ID	MW-04-20230817
Sample Date	**8/17/2023**
VOCs (ug/L)	
2-Phenylbutane	11
n-Butylbenzene	8.4
n-Propylbenzene	5.5
Metals (ug/L)	
Manganese, Dissolved	2,450
Sodium, Dissolved	153,000
Iron, Total	3,380
Manganese, Total	2,670
Sodium, Total	151,000

LEGEND

MONITORING WELL

UNDERGROUND COMMUTER RAIL LINE

SITE BOUNDARY

	New York TOGS 1.1.1 Ambient Water Quality Standards
VOCs (ug/L)	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
2-Phenylbutane	5
Acetone	50
Chloroform	7
Ethylbenzene	5
Isopropylbenzene	5
m,p-Xylenes	5
n-Butylbenzene	5
n-Propylbenzene	5
o-Xylene	5
Xylene, Total	5
SVOCs (ug/L)	
Naphthalene	10
Metals (ug/L)	
Manganese, Dissolved	300
Sodium, Dissolved	20,000
Iron, Total	300
Manganese, Total	300
Sodium, Total	20,000

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021
3. CONCENTRATIONS ARE IN MICROGRAMS PER LITER (ug/L)
4. EXCEEDANCES OF NEW YORK TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS 1.1.1) AMBIENT WATER QUALITY STANDARDS ARE SHOWN.

N

0 30 60

SCALE IN FEET

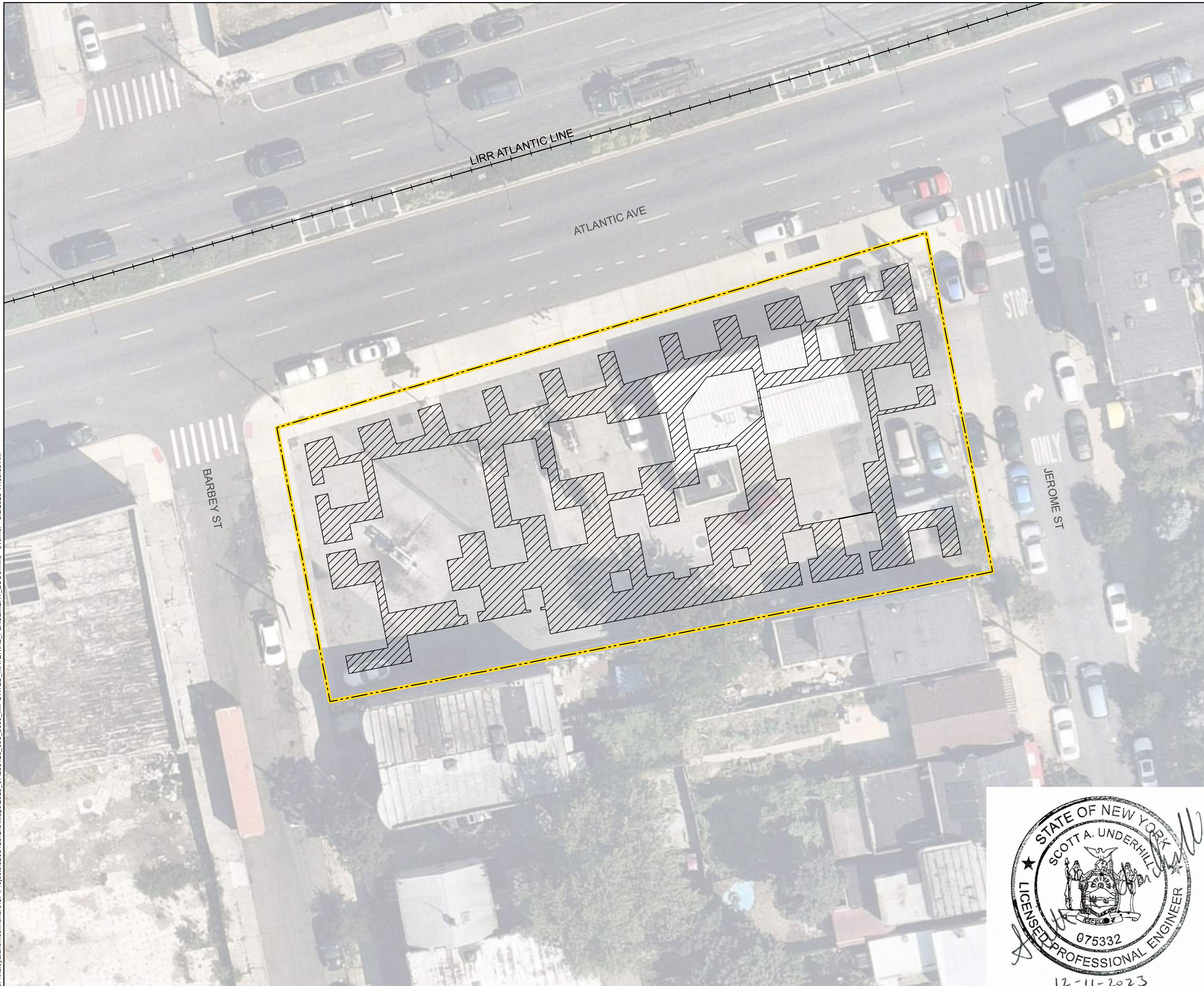
HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

POST-REMEDIAL GROUNDWATER SAMPLING RESULTS

DECEMBER 2023

FIGURE 7



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LEGEND

UNDERGROUND COMMUTER RAIL LINE

AREA OF IMPORTED CLEAN STONE

SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

0 30 60
SCALE IN FEET

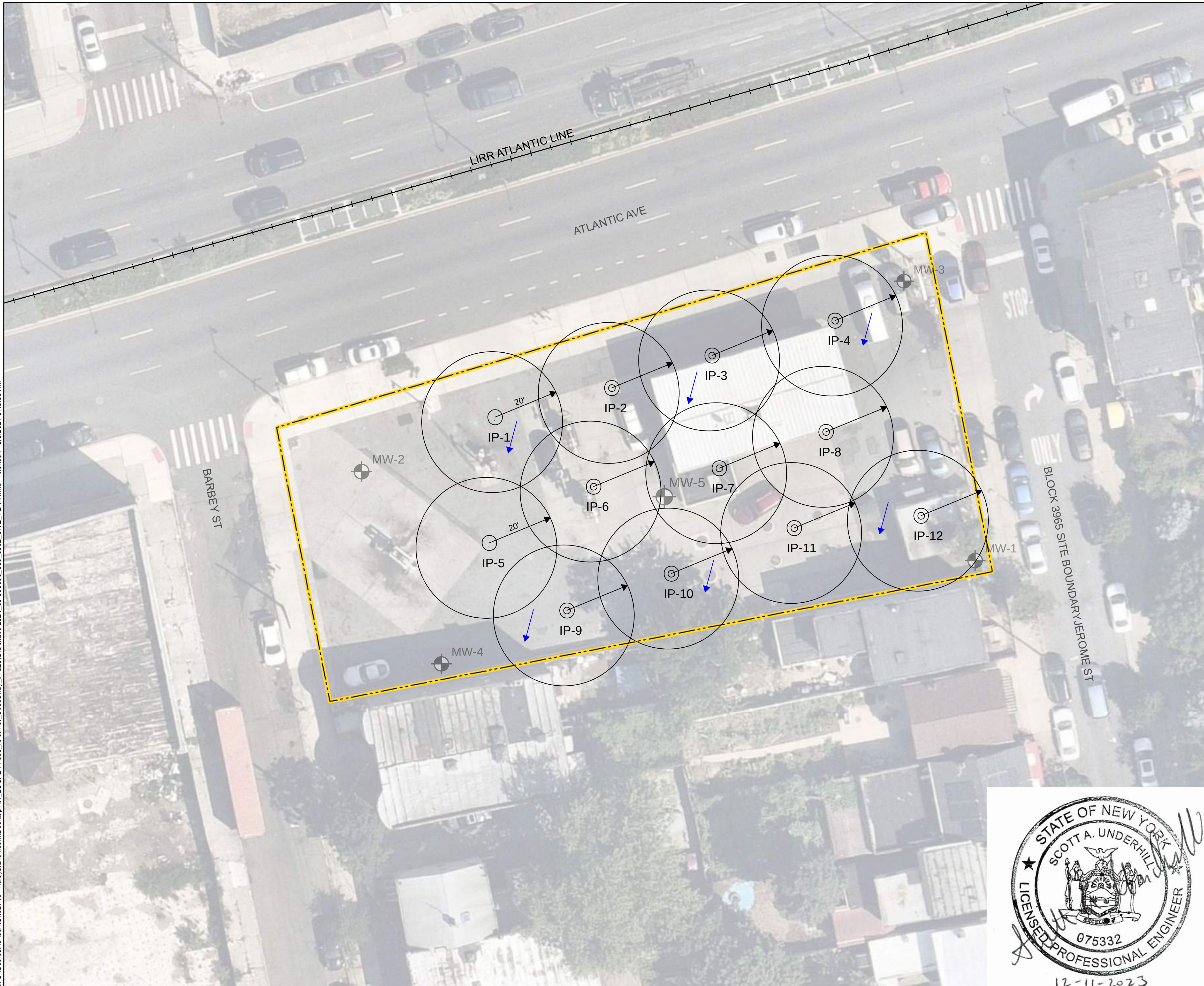
HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

IMPORTED MATERIAL PLACEMENT AREAS

DECEMBER 2023

FIGURE 8



LEGEND

- COMMUTER RAIL LINE
- SITE BOUNDARY
- INJECTION POINT LOCATION
- APPROXIMATE RADIUS OF INFLUENCE
- MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: KINGS COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

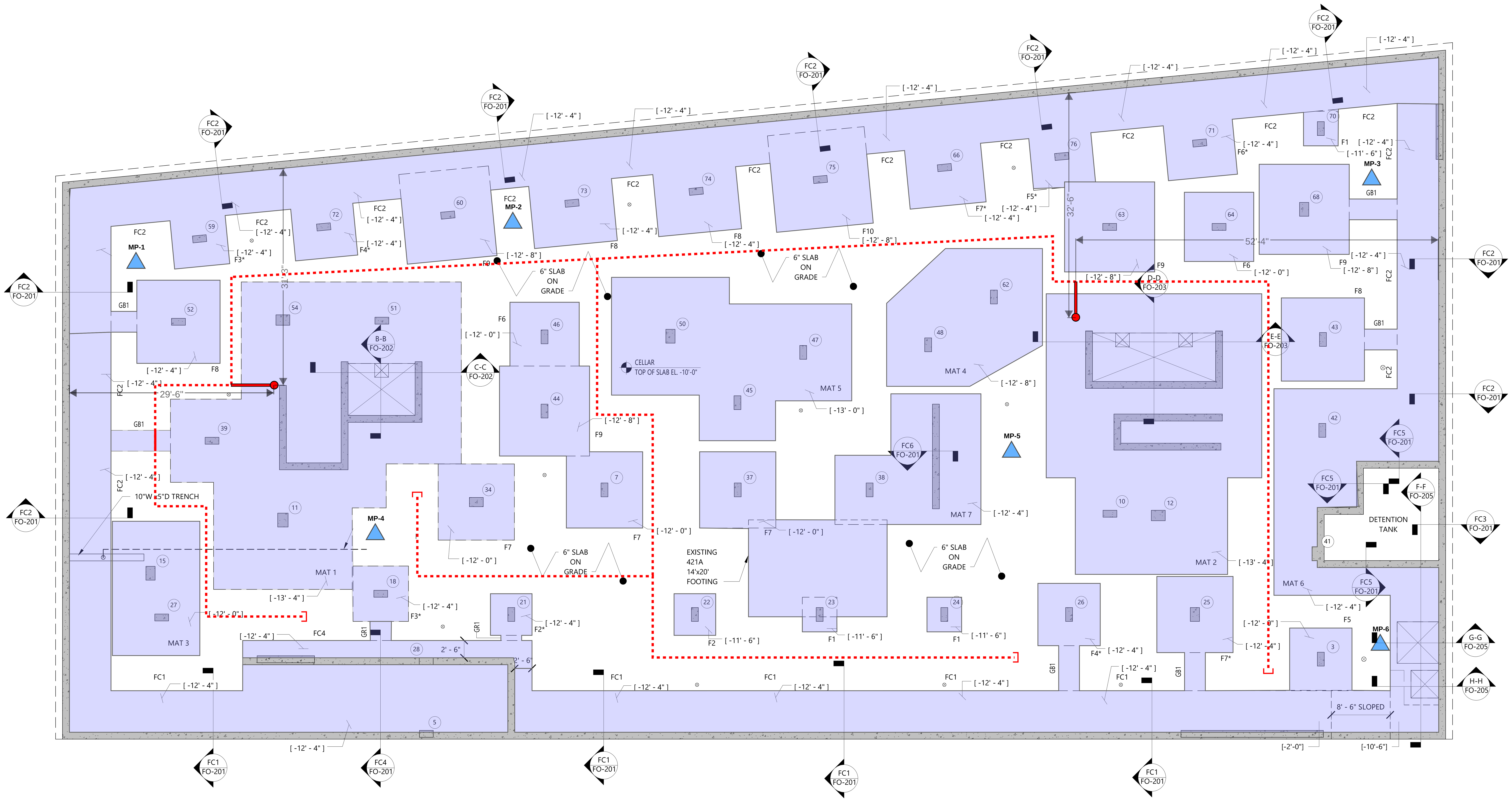
2864 ATLANTIC AVENUE REDEVELOPMENT
BROOKLYN, NEW YORK

IN SITU CHEMICAL OXIDATION
INJECTION AS-BUILT

DECEMBER 2023

FIGURE 9

GIS: C:\Users\khensen\OneDrive - haleyaldrich.com\Desktop\KH_LOCAL\Phase_II\Former_Speedway_#7823\GIS\Maps\2021_09\0000000_000_0002_SITE_PLAN.mxd - khensen - 9/9/2021 6:48:56 AM



LEGEND

MP-1	SUB-SLAB MONITORING POINT
	4" PERFORATED PVC PIPE
	4" SOLID PVC PIPE
	4" SOLID PVC LEADER PIPE
	4" CAST IRON VERTICAL RISER PIPE
	PIPE END CAP
	FOUNDATION OR FOOTING

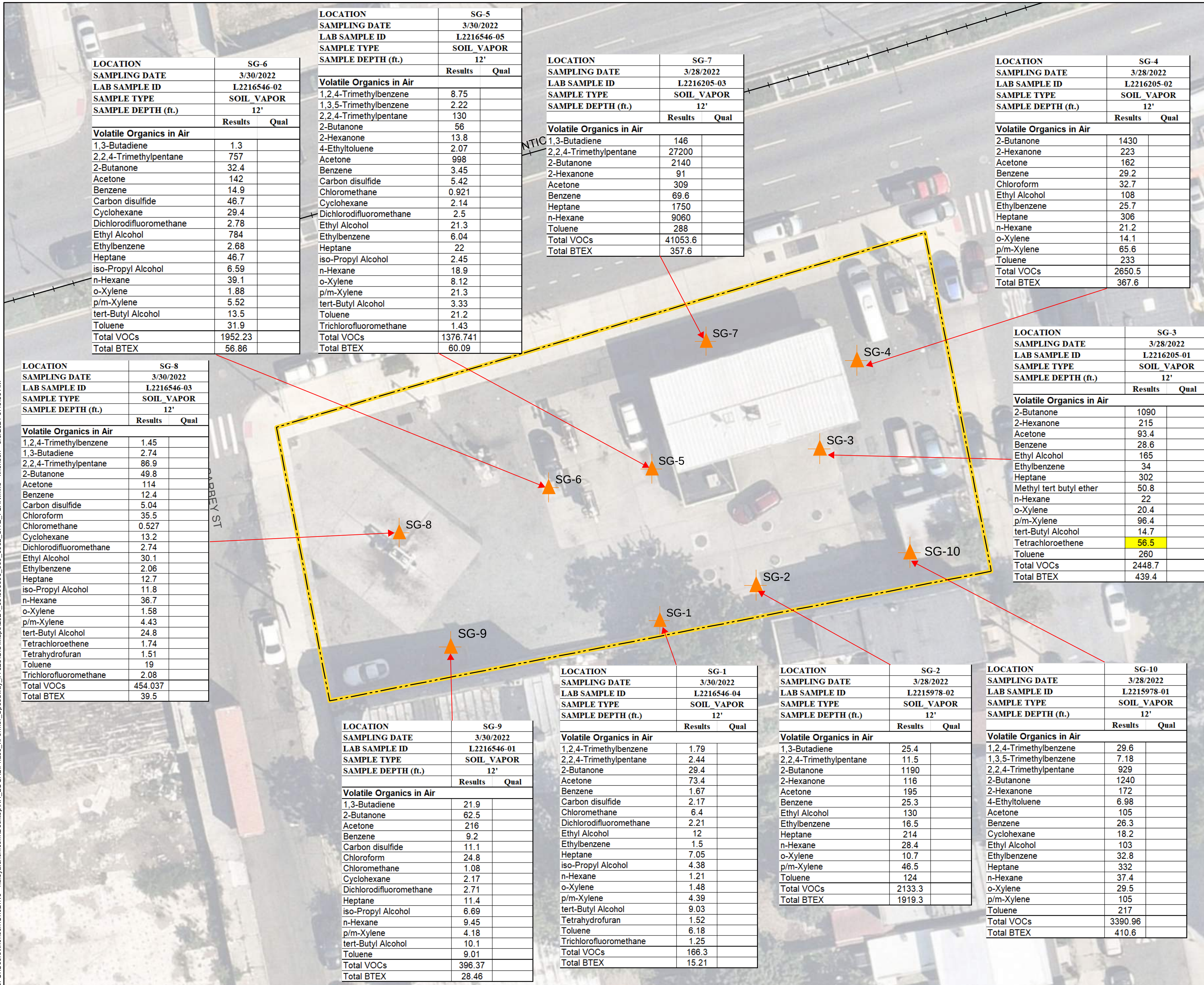
HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM AS-BUILT

DECEMBER 2023

FIGURE 10



LOCATION	SG-6	
SAMPLING DATE	3/30/2022	
LAB SAMPLE ID	L2216546-02	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,3-Butadiene	1.3	
2,2,4-Trimethylpentane	757	
2-Butanone	32.4	
Acetone	142	
Benzene	14.9	
Carbon disulfide	46.7	
Cyclohexane	29.4	
Dichlorodifluoromethane	2.78	
Ethyl Alcohol	784	
Ethylbenzene	2.68	
Heptane	46.7	
iso-Propyl Alcohol	6.59	
n-Hexane	39.1	
o-Xylene	1.88	
p/m-Xylene	5.52	
tert-Butyl Alcohol	13.5	
Toluene	31.9	
Total VOCs	1952.23	
Total BTEX	56.86	

LOCATION	SG-5	
SAMPLING DATE	3/30/2022	
LAB SAMPLE ID	L2216546-05	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,2,4-Trimethylbenzene	8.75	
1,3,5-Trimethylbenzene	2.22	
2,2,4-Trimethylpentane	130	
2-Butanone	56	
2-Hexanone	13.8	
4-Ethyltoluene	2.07	
Acetone	998	
Benzene	3.45	
Carbon disulfide	5.42	
Chloromethane	0.921	
Cyclohexane	2.14	
Dichlorodifluoromethane	2.5	
Ethyl Alcohol	21.3	
Ethylbenzene	6.04	
Heptane	22	
iso-Propyl Alcohol	2.45	
n-Hexane	18.9	
o-Xylene	8.12	
p/m-Xylene	21.3	
tert-Butyl Alcohol	3.33	
Toluene	21.2	
Trichlorofluoromethane	1.43	
Total VOCs	1376.741	
Total BTEX	60.09	

LOCATION	SG-7	
SAMPLING DATE	3/28/2022	
LAB SAMPLE ID	L2216205-03	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,3-Butadiene	146	
2,2,4-Trimethylpentane	27200	
2-Butanone	2140	
2-Hexanone	91	
Acetone	309	
Benzene	69.6	
Heptane	1750	
n-Hexane	9060	
Toluene	288	
Total VOCs	41053.6	
Total BTEX	357.6	

LOCATION	SG-4	
SAMPLING DATE	3/28/2022	
LAB SAMPLE ID	L2216205-02	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
2-Butanone	1430	
2-Hexanone	223	
Acetone	162	
Benzene	29.2	
Chloroform	32.7	
Ethyl Alcohol	108	
Ethylbenzene	25.7	
Heptane	306	
n-Hexane	21.2	
o-Xylene	14.1	
p/m-Xylene	65.6	
Toluene	233	
Total VOCs	2650.5	
Total BTEX	367.6	

LOCATION	SG-8	
SAMPLING DATE	3/30/2022	
LAB SAMPLE ID	L2216546-03	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,2,4-Trimethylbenzene	1.45	
1,3-Butadiene	2.74	
2,2,4-Trimethylpentane	86.9	
2-Butanone	49.8	
Acetone	114	
Benzene	12.4	
Carbon disulfide	5.04	
Chloroform	35.5	
Chloromethane	0.527	
Cyclohexane	13.2	
Dichlorodifluoromethane	2.74	
Ethyl Alcohol	30.1	
Ethylbenzene	2.06	
Heptane	12.7	
iso-Propyl Alcohol	11.8	
n-Hexane	36.7	
o-Xylene	1.58	
p/m-Xylene	4.43	
tert-Butyl Alcohol	24.8	
Tetrachloroethene	1.74	
Tetrahydrofuran	1.51	
Toluene	19	
Trichlorofluoromethane	2.08	
Total VOCs	454.037	
Total BTEX	39.5	

LOCATION	SG-3	
SAMPLING DATE	3/28/2022	
LAB SAMPLE ID	L2216205-01	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
2-Butanone	1090	
2-Hexanone	215	
Acetone	93.4	
Benzene	28.6	
Ethyl Alcohol	165	
Ethylbenzene	34	
Heptane	302	
Methyl tert butyl ether	50.8	
n-Hexane	22	
o-Xylene	20.4	
p/m-Xylene	96.4	
tert-Butyl Alcohol	14.7	
Tetrachloroethene	56.5	
Toluene	260	
Total VOCs	2448.7	
Total BTEX	439.4	

LOCATION	SG-9	
SAMPLING DATE	3/30/2022	
LAB SAMPLE ID	L2216546-01	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,3-Butadiene	21.9	
2-Butanone	62.5	
Acetone	216	
Benzene	9.2	
Carbon disulfide	11.1	
Chloroform	24.8	
Chloromethane	1.08	
Cyclohexane	2.17	
Dichlorodifluoromethane	2.71	
Heptane	11.4	
iso-Propyl Alcohol	6.69	
n-Hexane	9.45	
p/m-Xylene	4.18	
tert-Butyl Alcohol	10.1	
Toluene	9.01	
Total VOCs	396.37	
Total BTEX	28.46	

LOCATION	SG-1	
SAMPLING DATE	3/30/2022	
LAB SAMPLE ID	L2216546-04	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,2,4-Trimethylbenzene	1.79	
2,2,4-Trimethylpentane	2.44	
2-Butanone	29.4	
Acetone	73.4	
Benzene	1.67	
Carbon disulfide	2.17	
Chloromethane	6.4	
Dichlorodifluoromethane	2.21	
Ethyl Alcohol	12	
Ethylbenzene	1.5	
Heptane	7.05	
iso-Propyl Alcohol	4.38	
n-Hexane	1.21	
o-Xylene	1.48	
p/m-Xylene	4.39	
tert-Butyl Alcohol	9.03	
Tetrahydrofuran	1.52	
Toluene	6.18	
Trichlorofluoromethane	1.25	
Total VOCs	166.3	
Total BTEX	15.21	

LOCATION	SG-2	
SAMPLING DATE	3/28/2022	
LAB SAMPLE ID	L2215978-02	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,3-Butadiene	25.4	
2,2,4-Trimethylpentane	11.5	
2-Butanone	1190	
2-Hexanone	116	
Acetone	195	
Benzene	25.3	
Ethyl Alcohol	130	
Ethylbenzene	16.5	
Heptane	214	
n-Hexane	28.4	
o-Xylene	10.7	
p/m-Xylene	46.5	
Toluene	124	
Total VOCs	2133.3	
Total BTEX	1919.3	

LOCATION	SG-10	
SAMPLING DATE	3/28/2022	
LAB SAMPLE ID	L2215978-01	
SAMPLE TYPE	SOIL_VAPOR	
SAMPLE DEPTH (ft.)	12'	
	Results	Qual
Volatile Organics in Air		
1,2,4-Trimethylbenzene	29.6	
1,3,5-Trimethylbenzene	7.18	
2,2,4-Trimethylpentane	929	
2-Butanone	1240	
2-Hexanone	172	
4-Ethyltoluene	6.98	
Acetone	105	
Benzene	26.3	
Cyclohexane	18.2	
Ethyl Alcohol	103	
Ethylbenzene	32.8	
Heptane	332	
n-Hexane	37.4	
o-Xylene	29.5	
p/m-Xylene	105	
Toluene	217	
Total VOCs	3390.96	
Total BTEX	410.6	

LEGEND

COMMUTER RAIL LINE

SITE BOUNDARY

SOIL VAPOR/SOIL GAS SAMPLE LOCATION

LOCATION		
SAMPLING DATE		
LAB SAMPLE ID		
SAMPLE TYPE		
SAMPLE DEPTH (ft.)		
	NYSDOH AGVs	Units
Volatile Organics in Air		
1,2,4-Trimethylbenzene	~	ug/m3
1,3,5-Trimethylbenzene	~	ug/m3
1,3-Butadiene	~	ug/m3
2,2,4-Trimethylpentane	~	ug/m3
2-Butanone	~	ug/m3
2-Hexanone	~	ug/m3
4-Ethyltoluene	~	ug/m3
Acetone	~	ug/m3
Benzene	~	ug/m3
Carbon disulfide	~	ug/m3
Chloroform	~	ug/m3
Chloromethane	~	ug/m3
Cyclohexane	~	ug/m3
Dichlorodifluoromethane	~	ug/m3
Ethyl Alcohol	~	ug/m3
Ethylbenzene	~	ug/m3
Heptane	~	ug/m3
iso-Propyl Alcohol	~	ug/m3
Methyl tert butyl ether	~	ug/m3
n-Hexane	~	ug/m3
o-Xylene	~	ug/m3
p/m-Xylene	~	ug/m3
tert-Butyl Alcohol	~	ug/m3
Tetrachloroethene	30	ug/m3
Tetrahydrofuran	~	ug/m3
Toluene	~	ug/m3
Trichlorofluoromethane	~	ug/m3

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NEW YORK CITY DEPARTMENT OF CITY PLANNING GIS.

3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021.

4. RESULTS IN MICROGRAMS PER CUBIC METER.

5. EXCEEDANCES OF NYSDOH AGV ARE HIGHLIGHTED IN YELLOW.

N

0 30 60

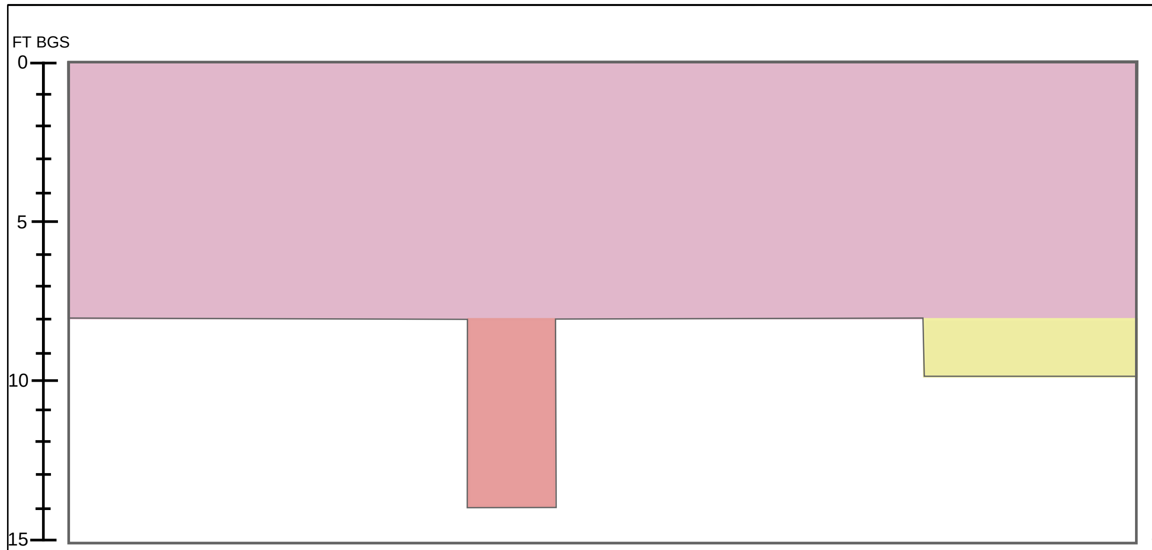
SCALE IN FEET

HALEY ALDRICH
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

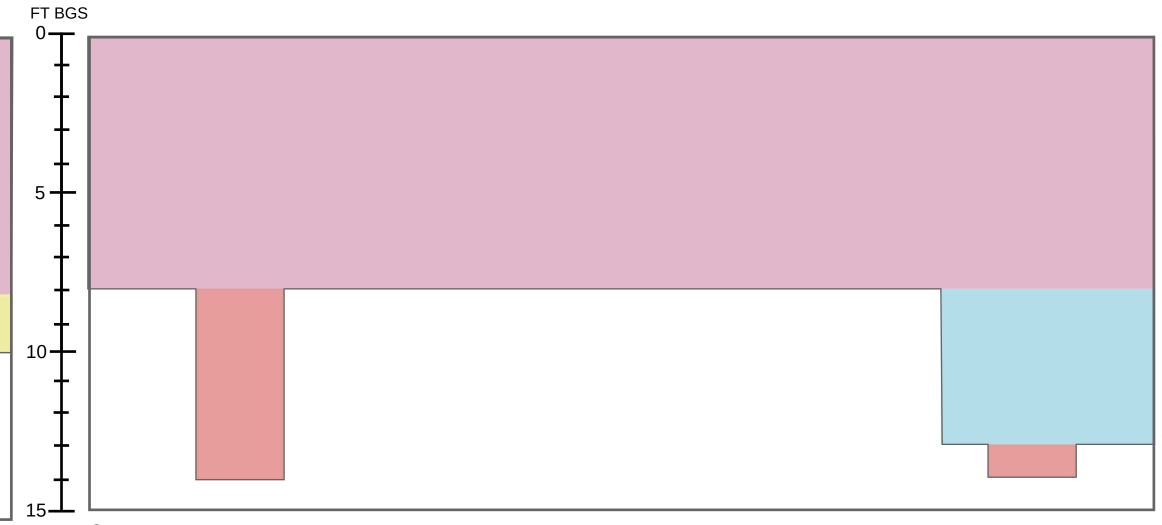
REMEDIAL INVESTIGATION
SOIL VAPOR RESULTS

DECEMBER 2023

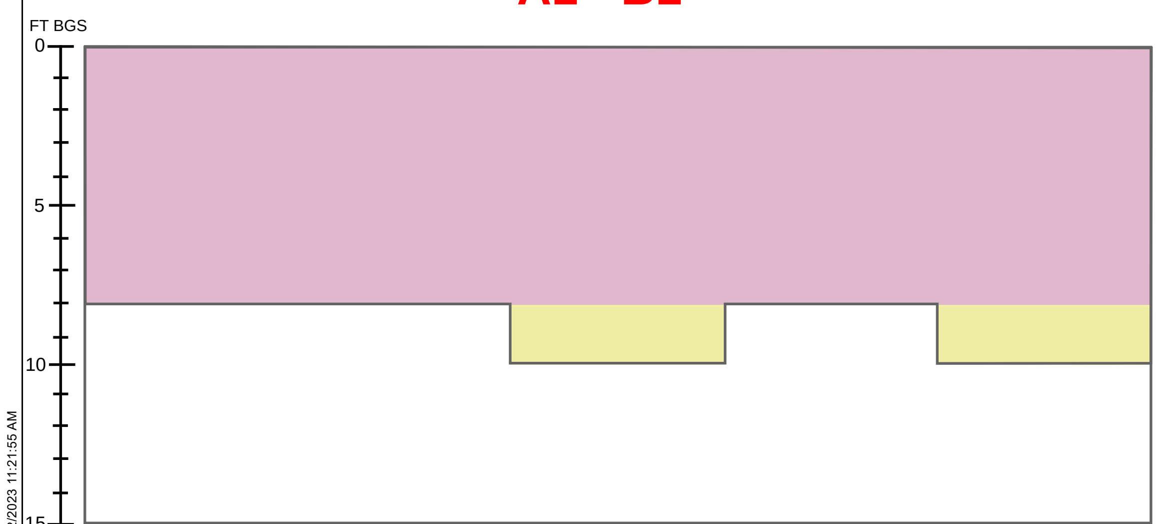
FIGURE 11



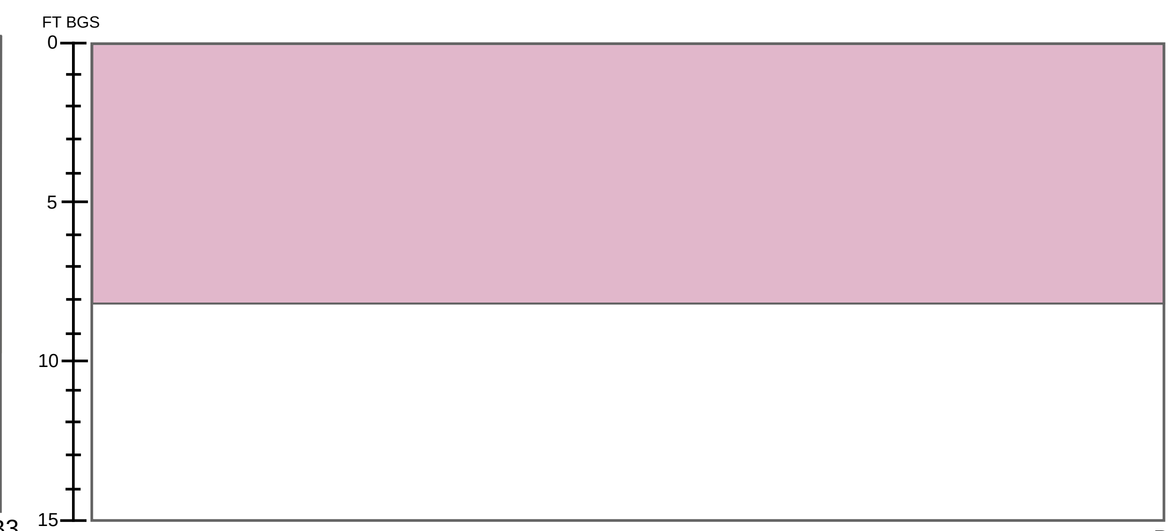
A1 - B1



A2 - B2



A3 - B3



A4 - B4

CROSS SECTION PLAN VIEW
(NOT TO SCALE)

LEGEND

- SITE BOUNDARY
- REMEDIAL EXCAVATION TO 8 FT BGS
- REMEDIAL EXCAVATION TO 10 FT BGS
- REMEDIAL EXCAVATION TO 13 FT BGS
- REMEDIAL EXCAVATION TO 14 FT BGS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. FT BGS = FEET BELOW GROUND SURFACE
3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

HALEY ALDRICH

2864 ATLANTIC AVENUE REDEVELOPMENT SITE
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

REMEDIAL EXCAVATION
CROSS SECTIONS

DECEMBER 2023

FIGURE 12